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BASIDIOMYCETES EUBASIDII IN RIO GRANDE DO SUL — BRASILIA

2. Thelephoraceae

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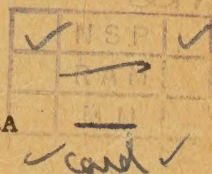
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Rua Coronel Vicente, 430 — Pôrto Alegre
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Desejamos estabelecer permuta.
We wish to establish exchange.
Wir wünschen Austausch.

JOHANNES RICK S. J.

BASIDIOMYCETES EUBASIDII IN RIO GRANDE DO SUL — BRASILIA

2. Thelephoraceae

1 9 5 9
Oficinas Gráficas da Imprensa Oficial
Pôrto Alegre

Thelephora radicans Berk.
Saccardo 6, 525. — Rick, Ann. Myc. 3 (1905) 16, fungi exs. 26; Egatea 16 (1931) 39.
Pileo spathulato vel infundibuliformi, sublobato, subcoriaceo, pallido, carneo-albo, striatulo, subtus carneo; stipite radicante, applanato, sensim in pileum transeunte; 2-4 cm alta, 2-5 cm lata. Sporis 8x7 my, piriformibus, apiculatis.
In silvis frequens inter Bambusas, gregaria et valde coriacea, tenax, caespitosa. Inter Stereum Thelephoramque intermedia. Stereum coalescens Lloyd eadem est species.
Fungi Rickiani 19286, 19268, S. Leopoldo 1930-1939.

Thelephora clavarioides Rick, Egatea 16 (1931) 39.
E pallido rufescens; pileo subcoriaceo, in stipitis apice in ramos solitarios, parvos, infundibuliformiter dispositos, partito; apicibus ramorum albis, ramulis vix 1 cm longis; hymenio laevi; 1-2 cm alta lataque, e trunco communi breviter pedicellato ramificata. Sporis sphaericis, 5-6 my, subcoloratis, scabris.
Ad terram inter Bambusas rosulas lutescentes formans. Est clavariiformis, cartilaginea tamen. Forsan cum Th. myriomera Fr. identica. Cf. Stereum fastidiosum Bourd., Cristella cristata Pers., Thelephora anthocephala Bull.
Fungi Rickiani 19259, Bahia: Typus.

Thelephora pusilla Curr. — Saccardo 6,532.
Pusilla, fuscescens, simplex vel ramosa, sursum cristato-divisa, colore brunneo, ramis non acutis sed clavatis.
Fungi Rickiani 19261, S. Leopoldo 1930.

2. Resupinatae.

Thelephora prolifera Berk. — Saccardo 6,542. — Rick, Broteria 30 (1934) 32.
Alba, subrepens, in hymenii processus cylindricos, furcatos, fasciculatos abiens, apicibus disco amplo radiato tamen innatis; foetens; ramulis rufescentibus, intricatis; subiculo livido-albo. Sporis hyalinis, 6-9x5-7 my.
Ad. lignum putridum.
Th. fastidiosae proxima, processibus tamen intensius coloratis. Forsan melius Phlebia.

Thelephora striispora — Rick, Broteria 30 (1934) 32.
Tenuissima, membranacea, effusa, hirsuta, margine similari. Sporis 9-10x7-8 my, brunneolis, striis longitudinalibus ornatis.
Ad lignum nudum.
Pallida ceraceaque.
Fungi Rickiani 19277, S. Leopoldo 1930.

Thelephora caesia Pat. — Saccardo 6, 540. — Rick, Broteria 30 (1934) 32.
Effusa, determinata, mollis, contigua, cinereo-caesia, hymenio laevi, setuloso. Basidiis clavatis. Sporis ovato-piriformibus, 10-12 my, echinulatis, brunneis. Colore violaceo-brunneo.
Ad lignum putridum.

In hymenio formantur processus carnosi, lutei, hydnoidei, sparsim tamen.
Fungi Rickiani 19275, Sta. Maria 1936.

Var. **laevispora** Rick, n. var.
Colore succineo, sicca sulphurella, sporis 9 my, laevibus. (T. caesia Pers., basidiis cruciatis, ad Sebacinam ducenda).

Thelephora anastomosans B. et C. — Saccardo 6, 534.
Alba, multifida, sicca pallida, ramis ramulisque connatis, sursum subflabelliformibus, fimbriatis, deorsum plus minus distinctis vel in stipitem communem confluentibus.
Ad basin truncorum.

Thelephora Menieri Pat. — Saccardo 6,547. — Rick, Broteria 30 (1934) 33.
Tenuis, membranaceo-floccosa, effusa, coeruleo-cinerea. Basidiis subgloboso-angulatis, 5 my, brunneo cyanescentibus.
Ad corticem.
In meo spcimine sporae hyalinae, unde forsan melius Sebacina.
Fungi Rickiani 19283, 19285, S. Leopoldo 1930.

Thelephora brasiliensis (Rick) Rick, n. comb.
Tomentella brasiliensis Rick, Broteria 5 (1906) 223. — Broteria 30 (1934) 78.
Resupinata, vitrea, tenuis, hyalino-vitrea, sicca alba, pauca mm lata, glabra vel minutissime granulosa, ceraceo-gelatinosa. Basidiis clavatis, usque 40x15 my, 4-sterigmaticis; cystidiis similibus. Sporis sphaericis, 15 my, crasse reticulatis echinatisque.
Ad lignum vetustum.

Thelephora riccioidea Berk. — Saccardo 6,542. — Rick, Egatea 16 (1931) 40; Broteria 30 (1934) 33.
Resupinata, arcte adfixa, radiato-ramosa, pallida; tenax, in vegeto vitrea, in sicco pallida aut isabellina, margine albo-fibroso; hymenio phlebiiformi-costato. Sporis hyalinis, sphaericis, 8 my.
Ad lignum.
Sicca prorsus ut Corticium, humida Phlebiae similis; sporis non est Thelephora; forsan Phlebia Mölleri P. Henn.
Fungi Rickiani 19258, 19270, 19287, S. Leopoldo 1930-1933. — 19274, 19276, Sta. Maria 1935.

ALDRIDGEA Massee.

Aldridgea Ignatiana Rick, n. sp.
Resupinata, membranacea, firmiter adnata, cartilaginea, humida vitrea, sicca albo-cremea, margine albo-fimbriato. Basidiis 30-60x8-10 my, tenuibus. Sporis 4-6x5-8 my, argillaceis.
Ad lignum.
Paucae hyphae 3-4 my latae ad modum cystidiorum prostant.
Fungi Rickiani 20187, S. Salvador: Typus.

ALDRIDGIELLA Rick, Broteria 30 (1935) 170.

Est Aldridgea cystidifera, subgelatinosa, sporis flavis.

Aldridgiella ceracea Rick, Broteria 30 (1934) 170.
Effusa, carneo-gelatinosa, margine delicato-fibroso, albo; mox nuda, sordide lutea, setulis conspersa, subgranulata; cystidiis 100x15 my, prostantibus, conicis, incrustatis. Basidiis longis, clavatis, 10 my latis. Sporis flavis, 4x3 my, laevibus.
Ad Bambusam.
Fungi Rickiani, 12213, 12214, S. Leopoldo 1932.

STEREUM Persoon.

A. Sine cystidiis crystallisve.
1. Pileata, sessilia.

Stereum lobatum Fr. — Saccardo 6,568. — Rick, An. Myc. 5 (1907) 31, fungi exs. 113; Broteria 36 (1940) 43.
Umbonato-sessile, coriaceum, rigidum, zonis margineque glabrescentibus; pileo amplo, undulato, sordide helvolo, villoso; hymenio laevi, glabro, subcinnamomeo. Sporis elongatis 5-8x3-4 my.
Ad lignum frequens.
Fungi Rickiani 19139, 19185, 19200, S. Leopoldo 1905-1935. — 19205, 19206, 19213, Sta. Maria 1935.
Var. **fasciata** (Schw.) — Saccardo 9,560. — Rick, Broteria 36 (1940) 43.
Rigidum, hymenio rubro-flavo.
Fungi Rickiani 19176, S. Leopoldo 1939. — 19199, Sta. Maria. — 19208, S. Salvador 1939.
Var. **fulva (Lev.)** — Saccardo 6,570. — Rick, Broteria 36 (1940) 43.
Fulvum, concentrice sulcatum, pileo sanguineo-fasciato.
Fungi Rickiani 19241, Sta. Maria 1935.

Stereum viridans Rick, in Lloyd Myc. Notes 7, 1339, pl. 201, f. 2143; Egatea 13 (1928) 435; Egatea 15 (1930) 394; Broteria 36 (1940) 44.
Pusillum, pileo spathulato, tenero, 1 cm lato, in sicco ochraceo, tomento viridi tecto; hymenio luteo-griseo. Sporis 4 my, sphaericis, hyalinis.
Ad truncum, rarum.

Stereum ochroleucum Fr. — Saccardo 6, 562. — Rick, Ann. Myc. 9 (1911) 178, fungi exs. 260; Egatea 15 (1930) 308; Broteria 36 (1940) 44.
Pileo coriaceo, membranaceo, libero, expanso, flaccido, sericeo, zonato, cano, 1-2 cm lato; hymenio laevi, glabro, lutescente. Pileo valde crispo, ramos truncosque longe saepeque resupinate occupante; hymenio ochroleuco. Basidiis clavatis, 40-45x4-5 my. Sporis elongatis, 6-10x2-3 my.
Saepe hirsutum; ideo St. hirsuti (Willd.) Bres. probabiliter varietas.
Fungi Rickiani 19195, 19202, S. Leopoldo 1933.

Stereum purpureum Pers. — Saccardo 6,563. — Rick, Broteria 36 (1940) 44.
Coriaceo-molle; pileo effuso-reflexo, imbricato, zonato, villoso, tomentoso, pallido albidove; hymenio nudo, laevi, glabro, albo-purpurascente. Sporis ovato-oblongis, 7-8x3-4 my, antice obtusis, postice obtuse angustatis, hyalinis.
Ad truncum.
Species magna, mollis, hymenii colore pileique indumento distincta.
Fungi Rickiani 19134, 19136, 19137, 19140, 19220, 19227, S. Salvador 1936.

Stereum cinereo-badium Klotzsch. — Saccardo 6,573. — Rick, Egatea 15 (1930) 307, 309; Broteria 36 (1940) 44.
Umbonato-sessile, 1-3 cm latum, coriaceum, tenue; pileo tomentoso, badio vel brunneo, linneolis nigris zonato; hymenio laevi, glabro, cinereo; hyphis strictis, 3-4 my latis. Sporis humidis 6-7x4 my, hyalinis, ellipticis. Ad corticem.
St. luteo-badio Fr. simile, cuius tamen pileus non ita longitudinaliter striatus, et hymenium luteum.
Fungi Rickiani 19174, S. Leopoldo 1905.

Stereum metallicum Rick, Broteria 36 (1940) 45.
Coriaceum, effuso-reflexum; pileo 2 cm lato, breviter denseque cilioso, sulcato-zonato, atro-brunneo; hymenio aeneo, splendente, hinc inde metallico. Basidiis 40-50x9 my, bisporis, saepe coloratis. Metuloideis (setulae breves, saepe coloratae vix 10-15 my latae, a Hymenochaetarum setulis distinctae) brevibus, coloratis, 6 my latis, irregularibus.
Ad lignum.
Non Hymenochaete; St. deceptivum Lloyd forsan identicum.
Fungi Rickiani 19135, S. Leopoldo 1930: Typus.

Stereum rigidum Lév. — Saccardo 6,570 — Rick, Broteria 36 (1940) 45.
Pileo coriaceo, reflexo, hirsuto, sulcato, tenuissime zonato, pallide ochraceo, rigido; hymenio glabro, concolore, tandem rimoso; metuloideis brevissimis, luteis, capitatis. Sporis 8x4 my.
Ad lignum.
St. ochroleuco Fr. simile, valde rigidum tamen minusque hirsutum.
Fungi Rickiani 19166, S. Paulo 1935.

Stereum coffeatum B. et C. — Saccardo 6,568. — Rick, Broteria 36 (1940) 45.
Primum orbiculare, dein postice decurrens, antice reflexum, zonatum, umbrinum, rugulosum, coriaceum; hymenio pallido; Lloydellae bicolori (Pers.) Fr. simile; molle, non hirsutum, vere tamen rugulosum, initio margine albo; longitudinaliter sulcatum, griseo-brunneum; hymenio albo, in sicco partim oleoso-vitreo-splendente, omnino laevi. Basidiis 20x4 my. Sporis hyalinis, 4x2, 5 my.
Ad lignum nudum, dense imbricatum, cuneato-dependens.
Fungi Rickiani 19130, S. Leopoldo 1933.

Stereum vitile Fr. — Saccardo 6,569. — Rick, Broteria 36 (1940) 46.
Effuso-reflexum, coriaceo-membranaceum, molle, flaccidum; pileo contracto, leproso, floccoso, impolito, sulcis concentricis notato, canescente-fusco, opaco; hymenio glabro, inaequali, livido-fuscescente. Sporis 8x6 my.
Hymenio pure avellaneo, etiam in sicco immutato, nullo modo vibrans; sine cystidiis; adsunt tamen metuloidearum rosulae, capite sphaerico, 8 my, luteolae, quae etiam in Stereogloeocystidio vibrante (B. et C.) Rick observantur; an huius specimen vetustum?
Fungi Rickiani 19142, Sta. Maria 1935.

Stereum hirsutum (Willd.) Fr. — Saccardo 6,563. — Rick, Broteria 3
Coriaceum, rigens, pileo effuso reflexove, strigoso-hirsuto, subzonato,
(1904) 280; Broteria 36 (1940) 46.

pallescente, margine obtusiusculo, luteo; hymenio laevi, glabro, nudo, exsucco, lutescente varioque colore. Sporis hyalinis, 6-8x3 my.
Ad truncos ramosque frequens.
Fungi Rickiani 20989, 22847, S. Salvador 1944.

Var. **complicata** (Fr.) — Saccardo 6,579. — Rick, Broteria 36 (1940) 46.
Pileo valde crispo lobatoque (= St. rameale Burt.)

Var. **vellerea** (Berk.) — Saccardo 6,579. — Rick, Egatea 15 (1930) 307 (sub St. vellereum Berk.); Broteria 36 (1940) 46.
Hymenio pallido, pileo valde hirsuto, vilo albo (= St. ochraceo-flavum Schw.).
Fungi Rickiani (sub. St. vellereum Berk.), 19129, 19155, 19196, Sta. Maria 1936. — 19153, 19164, S. Leopoldo 1936.

Var. **ochracea** (Lloyd), Myc. Notes 7 (1923) 1207. — Rick, Broteria 36 (1940) 46.
Colore ochraceo.

Stereum sanguinolentum (Alb. et Schw.) Fr. — Saccardo 6,564. — Rick, Broteria 36 (1940) 46.
Coriaceum, tenue; pileo effuso reflexove, adpresse sericeo, substriato, pallido, margine acuto, albo; hymenio laevi, glabro, cinereo-fuscescente, tactu cruentato. Sporis hyalinis, 6-8x2-3 my.
Ad truncum, rarum.
Fungi Rickiani 19184, S. Leopoldo 1921.

Stereum Leichkardtianum Lév. — Saccardo 6,559. — Rick, Broteria 36 (1940) 47.
Pileo coriaceo, applanato, postice attenuato, zonato, spongioso-velutino, fulvo margine tenui, integro, postice inflexo; hymenio glaberrimo, pallide flavo. Sporis 7-9x3-3, my.
Fungi Rickiani 19141, Goiás 1912, pede brevissimo instructum; in RGS nondum lectum.

Stereum luteo-badium Fr. — Saccardo 6,571. — Rick, Egatea 15 (1930) 307; Broteria 36 (1940) 47.
Umbonato-sessile, imbricatum, coriaceum; pileo tenui, 1-3 cm lato, subflaccido, villoso-rugoso, glabrescente, concentrice sulcato, badio ferrugineso; hymenio laevi, glabro, luteo. Sporis elongatis, 4x2-3 my, hyalinis.
Ad truncos.
Saepe substipitatum; Hymenochaetae similis, setulis tamen destitutum.
Fungi Rickiani, 19190, 19642, S. Leopoldo 1929-1940. — 20070, S. Salvador 1943.

Stereum illudens Berk. — Saccardo 6,571. — Rick, Broteria 36 (1940) 47.
Coriaceum subrigidum; pileo effuso reflexove, zonato, 2 cm. lato, radiato-plicato, hirsuto, spadiceo vel atro-brunneo; hymenio laevi, glabro, carneo-rufo. Sporis 7-9x6 my, ovalibus. Metuloideis brevibus, apice spinosis, hyalinis.
Ad lignum.
Fungi Rickiani 19131, 19143, S. Leopoldo 1907.

Stereum replicatum Lloyd, Myc. Notes 7 (1925) 1339. — Rick, Egatea 13 (1928) 435; Egatea 15 (1930) 308; Broteria 36 (1940) 47.
Pileo plicatissimo, crispo, lobato, laevi, ochraceo, non zonato, textura molli, in stipitem spurium reducto; hymenio plicatissimo, flavescenti-glaucescente, laevi, sine cystidiis.

Ad lignum.
Cum specimen typicum non suppetat, descriptionem sumpsi e Lloyd.
Fungi Rickiani 19239, S. Salvador 1943.

Stereum corbiforme (Fr.) Rick, n. comb.
Thelephora corbiformis Fr. — Saccardo 6, 533.
Sessile, cinereo-fuscum, rigens, lobis caespitosis, exterioribus adscendentibus inque pileum circinnatum, cupuliformem, hinc inde lacunosum, pervium coalescentibus, interioribus discretis, stipitatis, erectis, angustis; hymenio infero, inaequabili, albido.
Ad terram, caespitibus regulariter circinnatis.
Legit in Argentina Spegazzini, in RGS Malme.

Resupinata.

Stereum crustosum Dur. et Lév. — Saccardo 6, 583. — Rick, Broteria 36 (1940) 75.
Resupinatum, membranaceo-coriaceum, mox diffractum, e carneo pallens, glabrum, immarginatum, sublaeve. Basidiis elongatis, conglutinatis.
Sporis 6-3,5 my, subcoloratis.
Ad lignum.
Quamvis diagnosis sit manca, hanc tamen puto esse speciem, quae aspectum praebet Corticii laevis Pers.; in sicco alutaceum, valde scissum, revolutum.
Fungi Rickiani 19159, Sta. Maria 1935.

Stereum sulphureum (Rick) Rick, Broteria 34 (1938) 77; Broteria 36 (1940) 75.
Corticium sulphureum Rick, Egatea 13 (1928) 435.
Resupinatum, margine demum revoluto, membranceo-corriaceum, rigidum, saepe colliculosum, sulphureum, contextu sulphureo. Sporis 6-7x4-5 my.
Ad truncos decorticatos, longe lateque ambiens.
Fungi Rickiani 19180, S. Leopoldo 1938. — 19152, 20319, S. Salvador 1943.

Stereum strumosum Fr. — Saccardo 6, 586. — Rick, Egatea 15 (1930) 310
Resupinatum, durum, adnatum, ochraceum, initio tuberculiformi-immarginatum, deinde dilatato-confluens, indeterminatum; hymenio laevi, pulverulento. Sporis magnis.

Stereum tenuissimum Rick Broteria 36 (1940) 75.
Resupinatum, firmiter adnatum, tenerrimum, rigidum, griseo-carneum, siccum cinereum, pulverulentum; margine brunneo, albo-fimbriato, tenuissimo. Sporis 8x5 my, laevibus, hyalinis.
Ad lignum.
St. rosellum Speg. videtur identicum.
Fungi Rickiani 20179, S. Salvador 1943. — 19231, Sta. Maria 1935.

Stereum obliteratum Rick, Broteria 34 (1938) 75.
Resupinatum, firmiter adnatum, tenuissimum, rigidum, pulverulentum; margine farinoso; membranaceo-coriaceum, siccum cinereum, parce ri-

mosum. Sporis 3x3,5 my.
Ad ramum siccum.
Fungi Rickiani 19235, S. Leopoldo 1932: Typus.

Stereum humillimum Rick, n. sp.
Resupinatum, immarginatum, tenue, rigidum, avellaneum, laeve, exsiccando colore laetiore, rimosum. Basidiis parvis. Cystidiis raris, subfusiformibus, 7 my latis, laevibus, hyalinis. Sporis 7x4 my, ovato-subcuneiformibus.
Ad Bambusam.
Lloydella quidem cystidiis, quae tamen rara vixque constantia.
Fungi Rickiani 19249, S. Salvador 1943: Typus.

Stereum Sendaiense Yasuda, Myc. Notes 5 (1917) 680, f. 1015.
Resupinatum, innato-membranaceum, lilacino-fuscum, sine setulis, aut cum Lloydellae setulis, brunneis tamen asperisque.
Lloydella est, in Hymenochaeten transiens, setulis non rigidis.
Ad corticem.
St. lilacino-fusco (B. et C.) Lloyd identicum videtur.
Fungi Rickiani 20695, S. Salvador 1944.

Stereum sparsum Berk. — Saccardo 6, 582. — Rick, Broteria 36 (1940) 76.
Candidum vel pallide ochraceum, in pustulas duras quandoque confluentes dispositum. Durum, coriaceum, non crassum tamen: primo pure album, deinde pallide flavum, laeve, primo sparsum, deinde longe lateque confluens, margine tenui albo-fibroso, tuberculosum, tenax, non secedens, in sicco tamen paululum solutum, parce rimosum; hyphis tenuibus, pallidis, laxe contextis. Basidiis multiramosis, cylindricis, brevibus. Sporis 5-6x3-4 my, subcylindricis, hyalinis, laevibus.
Ad corticem.
A Corticio acerino basidiis sporisque distinctum; ab Aleurodisco candido notis microscopicis defectuque crassitudinis diversum.
Occurrit etiam cum paucis cystidiis fusiformibus, incrustatis, 8 my latis; hinc inter Stereum Lloydellamque intermedium.
Fungi Rickiani 19156, 19198, 19219, S. Leopoldo 1939.

Stereum portentosum (B. et C.) — Saccardo 6,636. Corticium portentosum B. et C.
Crystallocystidium portentosum (B. et C.) Rick, Broteria 36 (1940) 144.
Ochroleucum, contextu crasso, albo, molli, spongioso; hymenio tuberculato-laevi.
Ad corticem per metrum et ultra extensum.
Color in vegeto albus, vel albo-carneus; hymenio pruinato; sporis sphaericis, 5 my diametro, hyalinis. Sterei alnei forma tropicalis mire varians.
Fungi Rickiani 15479, 15514, 15581, 15488, 15526, 15527, 15543, 15478, 15535, 15540, 15343, 15454, 15484, 15528, 15529, 15550, 15564, S. Leopoldo 1905-1933. — 15583, Sta. Maria 1936. — 19618, S. Salvador 1942.

Stereum albescens (Rick) Rick, n. comb.
Crystallocystidium albescens Rick, Broteria 36 (1940) 142.
Resupinatum, crassiusculum, coriaceum, carneum, exsiccando album, valde pruinosum, margine similari; hyphis tenuissimis, parum reticulatis; crystallis botryosis aut solitariis, multiangulatis, 5-30 my; pede brevi, hyalino; hyphis vix 0,5 my latis, luteis. Basidiis 35x8 my.

Sporis perfecte sphaericis, 6-8 my, laevibus, hyalinis, grosse apiculatis.
Ad corticem.
Crystalla adventitia sunt, etiam in contextu inclusa.
Fungi Rickiani 19157, 15450 15447, S. Leopoldo 1939. — 20311, S. Salvador 1943.
Var. **reticulata** Rick, Broteria 36 (1940) 142.
5-10 cm longum, 2-3 cm latum, margine determinato, resupinatum, olivaceum; dein in sicco politum; sporis sicut in varietate typica, reticulatis tamen.

Pedunculata.

Stereum elegans Mey. — Saccardo 6 553. — Rick, Broteria 3 (1904) 280; An. Myc. 5 (1907) 338, fungi exs. 159; Egatea 15 (1930) 393; Broteria 36 (1940) 76.
Pileo laevi; terrestre; pileis caespitose confluentibus, rosulatis, inaequaliter infundibuliformibus, rubro-brunneis, splendentibus, 2-5 cm altis, 1-2 cm latis; hymenio pallidiore, glaucescente, striatulo. Sporis globosis, 4 my, laevibus.
Ad ligni frustula, saepe solitarium.
Gloeocystidia non vidi.
Fungi Rickiani 19169, 19228, 19262, S. Leopoldo 1905-1933.
Var. **floriformis** (Bres.) — Saccardo 23, 508. — Rick, Broteria 36 (1940) 77.
Pileo crassiore stipiteque tomentoso.
Var. **surinamensis** (Lév.) — Saccardo 6,556. — Rick, Broteria 36 (1940) 77.
Pileo plicis ornato.
Var. **nitidula** Berk. — Saccardo 6,552. — Rick, Broteria 36 36 (1940) 77.
Stipitis basi nodosa (= St. modestum Kalchbr. = St. cyathoides P. Henn.)
Var. **Bolleana** (Mont.) — Saccardo 6, 554. — Rick, Broteria 36 (1940) 77.
Pileo zonis obscuris ornato, hymenio pruinoso. Frequens, valde ludens.

Stereum diaphanum (Schw.) Cooke. Saccardo 6, 558. — Rick, Egatea 15 (1930) 392; Broteria 36 (1940) 77.
Pileo infundibuliformi, hyalino, pallido, diaphano, stricto, rigido, papyrino, tenuissimo, vegeto flaccido; stipite gracili, cum pubescentia myceliali. Sporis 7-8x3.5 my, hyalinis, laevibus, elongatis.
Ad terram lignique frustula frequens.
Fungi Rickiani 19188, 19204, 19242, S. Leopoldo 1932-1936.
Var. **Sowerbyi** (B. et C.) Rick, nova comb.
St. Sowerbyi (B. et C.) Rick, Egatea 15 (1930) 392.
Thelephora Sowerbyi B. et C. — Saccardo 6,522.
Crassius, basi pannosa; sporis sphaericis, 8 my. E spora bona esset distinctaque species.
Fungi Rickiani (sub. St. Sowerbyi B. et C.) 19150, 19226, 19217, 19229, 19247, 19248, S. Leopoldo 1930.

Stereum caperatum (B. et Mont.) Lloyd, apud Rick, Egatea 15 (1930) 392; Broteria 36 (1940) 77.
Thelephora caperata B. et Mont. — Saccardo 6,523.
Mesopodium; pileo membranaceo-coriaceo, iregulariter infundibuliformi, rugoso, plicato, centro hirsuto, griseo brunneo, 2-20 cm lato, margine incurvo; hymenio pallido, rugoso; stipite centrali, crasso, 1-2 cm, spongioso-tomentoso, albo, scutatim affixo. Cystidiis metuloideis, conicis, rugosis, 20-30 my, elongatis, hyalinis. Sporis 10-12x4-5 my.

Ad lignum.
Vegetum est griseum, hymenio saepe costato, aliquando etiam flavo.
Fungi Rickiani 20083, S. Leopoldo 1932.

Stereum aurantiacum (Pers.) Lloyd, Myc. Notes 4, 4. St. 22, f. 538, L. 46:2; Rick, Egatea 15 (1930) 393; Broteria 36 (1940) 78.
Pileo coriaceo-membranaceo, aurantiaco, infundibuliformi vel plano aut lateraliter affixo, 1-3 cm lato, fisso; hymenio leviter stratoso; stipite concolore, delicato. Sporis 6-9x3,5 my.
Ad terram fequens.
Fungi Rickiani 19162, Marcelino Ramos 1936. — 19223, Parecí 1935.

Stereum affine Lév. — Saccardo 6, 559. — Rick, Egatea 15 (1930) 394; Broteria 36 (1940) 78.
Pileo reniformi, applanato, nudo, castaneo, zonis obscurioribus, margine acutissimo. Hymenio laevi, carneo-rufo; stipite brevi, hirsuto, laterali, basi peltato-dilatato.
Ad lignum.
Fungi Rickiani 19183, 19240, S. Leopoldo 1931-1936.

Stereum hydrophorum Berk. — Saccardo 6,555. — Rick, Egatea 15 (1930) 354; Broteria 36 (1940) 78.
Pileo infundibuliformi, fusco, umbrino-zonato, processibus longis, amplis, acute laciniatis dense cooperto; stipite rigido, tenui, subtiliter velutino; hymenio albido; pileo 7-10 cm lato, stipite 1-2,5 cm crasso.
Ad lignum.
Diagnosis cum Berkeleyana, ubi stipes tenuis dicitur, non plane quadrat.

Stereum cristatum B. et C. — Saccardo 6,556. — Rick, Broteria 36 (1940) 78.
Mesopus; pileo tenuiter coriaceo-papyraceo, 1-2 cm, rufo, sericeo-nitente, ambitu laevi, zonis obscurioribus notato, centro longe grosseque crinito-setuloso; hymenio plano, subpulverulento, pallescenti-roseolo; stipite centrali, brevi, crasso, rufo-pallescente, tuberculoso-adnato.
Ad lignum, rarissimum.
Fungi Rickiani 19132, S. Leopoldo 1905. — 19246, S. Salvador 1943.

Stereum crenatum Lév. — Saccardo 6,559.
Pileo coriaceo, flabelliformi, nudo, castaneo, zonis obscurioribus variegato; margine lobato, acuto; hymenio carneo-rufo; stipite brevi, hirsuto, basi peltato-dilatato. Sporis 6-8x4-5 my, hyalinis.
Ad lignum.
Pileo margine crenato-lobato, molliore, zonato, stipite tomentoso a St. elegante distinctum.

STEREOGLOEOCYSTIDIUM Rick, Broteria 36 (1940) 79.

Stereum cum gloeocystidiis in hymenio, et quidem ita ut inter basidia insertae sint cellulae longae, laeves, cylindricae, e strato hymeniali ortae, plerumque succo plenae.
A Gloeastero Sanshi Imai differt, quia non gelatinosum, sed typice rigidum ut Stereum.

Stereogloeocystidium lobato-plicatum Rick, Broteria 36 (1940) 79.
Pileo 0 5-2 cm lato, spathulato, pulverulento, centro hirsuto, humido vero laevi, luteo, margine pallidiore, medio brunneo-atro, tenui, lobato-plicato, crispo; sicco valde contracto; stipite usque 1 cm longo, tenui, brunneo, pruinato, vix applanato-discoideo; hymenio luteo.
Basidiis tenuibus. Gloecystidiis longis, stipitatis, 9 my latis, subhyalinis. Sporis 4x3 my, hyalinis. Hyphis 8 my latis.
Idem esse videtur ac Stereum glabrescens Berk. et S. Huberianum P. Henn.
Fungi Rickiani 19591, S. Salvador 1939: Typus.

Stereogloeocystidium subflabellatum Rick, Broteria 36 (1940) 79.
Caespites usque 10 cm altae, 3 cm latae, ramosae, pedicellatae, flabellatae, pallide luteae, siccae fere atrae, rigidae, laeves; lobis tenuibus, incisis, applanatis, densis. Basidiis brevibus, 20x8 my, bisporis, linearibus. Gloeocystidiis longissimis, 7-9 my latis, acutatis, hyalinis. Sporis 3x2 my, hyalinis, laevibus.
In humo ad truncorum cavitates congesto.
A Stereo flabellato, cui prius coniunxeram, videtur diversum.
Fungi Rickiani 12384, 15218, Itapiranga (Sta. Catarina), 1930-1932.

Stereogloeocystidium gausapatum Rick, Broteria 36 (1940) 80.
1-3 cm latum, siccum rigidum, humidum elasticum, rugulosum, concentrice radialiterque sulcatum, sulcis radialibus interruptis, tomentosum; hymenio luteo, lineatim valde tuberculoso, cladoderridiformi; sicco incarnato. Gloeocystidiis luteis, longissimis, 9 my latis, saepe inflatis.
Sporis 6-7x4 my, altero latero depresso.
Ad lignum.
Quid sit Stereum gausapatum Fr. adhuc sub iudice est. Haec species certe non est Stereum spadiceum, ad quod generatim ducitur, sed potius Cladoderris, ad quam ipse Fries St. gausapatum ducendum iudicavit. Species mea nihil commune habet cum Cladoderridi Rickii Lloyd, sub quo nomine eam ad amicos misi.
Friesii descriptio ex specimine sicco desumpta nostro fungo omnino convenit, ita ut hic forsan verum adsit St. gausapatum Fries.
Fungi Rickiani 14749, S. Leopoldo 1930: Typus.

Stereogloeocystidium subsanguinolentum Rick, Broteria 36 (1940) 80.
Pileo resupinato, griseo-brunneo, velutino, coriaceo-rigido; hymenio flavo noduloso, sicco pallido, velutino, trito sanguinolento, locis tritis postea atro. Basidiis longis, angustis. Gloeocystidiis inferne hyalinis, superne aureis, longissimis, vermicularibus, 8 my latis.
Sporis 3x2 my, irregularibus, cylindricis.
Ad truncum caesum.
A Stereo rugoso sporis, a S. sanguinolento plurimis notis distinctum.
Fungi Rickiani 14715, Sta. Maria 1936: Typus.

Stereogloeocystidium radiato-fissum (B. et Br.) Rick, Broteria 36 (1940) 81, ubi S. "radioso"-fissum, mendo!
Stereum radiato-fissum B. et Br. — Saccardo 6,562.
Pileis multifidis, subinvolutis vel a basi divisis, spadiceis, nitidis, multizonatis, apice laceris; hymenio laevi, pallido. Pileo 1-3 cm lato, pendulo, multifido, in stipitem spurium angustato, capuccino, sicco griseo-cervino, multizonato, margine sulcato-zonato, connato-scalari, adpresse hirsuto, nullo modo nitido. Gloeocystidiis longis, 10 my latis, cylindricis, guttis

longis, pallidis repletis. Sporis hyalinis 3-4 my, sphaericis, laevibus.
Ad lignum.
Auctorum diagonosis de hirsutie nihil docet, immo superficiem vocat nitidam; typus tamen, teste Lloyd (Myc. Notes 5,746) hirsutus est.
Fungi Rickiani 15217, Sta. Maria 1937.

Stereogloeocystidium vibrans (B. et C.) Rick, Broteria 36 (1940) 81.
Stereum vibrans B. et C. — Saccardo 6, 577.
Centro affixum, orbiculare, confluens, coriaceum, rigidum, siccum, subresupinatum, margine flavo-ferrugineo, fimbriato; hymenio initio griseo-pruinato, dein cinnamomeo, humefacto flavo-purpurascente, semper albo-consperso, glauco-vibrante.
Totum facile a substrato solubile. Gloeocystidiis cylindricis, acutiusculis, 8 my latis, longis, luteis. Metuloideis 15 my longis, capitato-sphaericis, brunneis, in rosulam compositis. Hyphis 5 my latis. Basidiis 30x10 my. Sporis 8x6 my, sed etiam sphaericis, hyalinis, laevibus.
Ad corticem.
Mea specimina, in quibus initia solum exstant pileorum, cum Stereo vibrante B. et C. conveniunt.
Fungi Rickiani 14747, 14751, 15219, 15220, 15221, S. Leopoldo 1939.

Stereogloeocystidum citrinum Rick, Broteria 36 (1940) 81.
Pileo revoluto, subresupinato, coriaceo, rigido, velutino, brunneo-griseo; hymenio laete flavo, valde noduloso, velutino, sicco pallido, vegeto trito sanguinolento. Basidiis longis, angustis. Gloeocystidiis longissimis, vermicularibus, 8 my crassis, inferne hyalinis, superne aureis. Sporis 5-7x3-4 my, laevibus.
A Stereo sanguinolento hymenii flavore sporisque distinctum; forsan St. gausapati forma citrina.
Ad lignum.
Fungi Rickiani 15223, S. Leopoldo 1939: Typus.

Stereogloeocystidium albo-verrucosum Rick, Broteria 36 (1940) 82.
Expansum, subresupinatum: pileo 0,5 cm lato, recurvo, membranaceo, brunneo-squarrosulo; hymenio albo-verrucoso, in sicco griseo. Gloeocystidiis rarioribus, cylindricis, guttis crassis, hyalinis, abruptis plenis, usque 60x10-15 my. Sporis 4-5x3-4 my, ovalibus elongatisve.
Ad ramum siccum.
Fungi Rickiani 14748, S. Leopoldo 1938: Typus. — 15224, 20414, S. Salvador 1943.

Stereogloeocystidium griseum Rick, n. sp.
Effusum, crustaceum, immarginatum, griseum. Basidiis sphaericis, 8-10 my latis, monosterigmaticis. Gloeocystidiis variis, longis, 8 my latis, nodulosis, in nodis luteo-flavis. Sporis 4-5x3 my, ovalibus, laevibus.
Ad corticem.

Stereogloeocystidium avellaneum Rick, Broteria 36 (1940) 82.
Resupinatum, margine saepe elevato, laxe adhaerens, coriaceum, tenax, scissum, non vero rimosum, avellaneum, in sicco subalutaceum, sublaeve, margine albo. Gloeocystidiis irregulariter capitatis, coloratis, stratum brunneum formantibus. Basidiis mediis rectis. Sporis 6-7x4,5 my, obovatis aut sphaericis, hyalinis, verrucosis, saepe obtuse apiculatis, avellaneis.
Ad ramum.
Aspectu oleosum.
Fungi Rickiani 15222, Sta. Maria 1935: Typus.

Stereogloeocystidium albo-griseum Rick. Broteria 36 (1940) 83.
Resupinatum, durum, immarginatum, grandiniiforme, albo-griseum, siccum luteum, parce rimosum. Gloeocystidiis irregularibus, brevibus, luteis. Contextu connato. Sporis 5x4 my.
Ad lignum.
Fungi Rickiani 19656, S. Leopoldo 1956.

Stereogloeocystidium mirabile (B. et Br.) Rick, Broteria 36 (1940) 83.
Radulum mirabile B. et Br. — Saccardo 6, 496.
Effusum, coriaceum, membranaceum, flavum. Gloeocystidiis longissimis, latis, flavo-repletis. Sporis 9x5 my, ellipsoideis.
Ad lignum.
Haec species mycologos et me quoque solemniter vexat; pro Herbario Farlowiano primum misi sub Radulo hydnoideo, postea sub Stereogloeocystidio. Est Radulum mirabile B. et Br. = Lopharia lirellosa Kalchbr. = Thwaitesiella mirabilis (B. et Br.) Mass. Aliquas asperitates venasque semper habet. Formam vero raduloideam numquam inveni.
Nutat ergo inter varia genera, quapropter id hic recenseo, ne alios vexet. Radulum nilgheriense et Radulum javanicum etiam huc spectant.
Identitas cum Stereogloeocystidio gausapato mihi non est omnino exclusa.
Fungi Rickiani 19616, Sta. Maria 1935.

Stereogloeocystidium cinereum (Rick) Rick, n. comb.
Gloeocystidium cinereum Rick, Broteria 34 (1938) 45.
Effusum, stereiforme, cinereum, velutinum, margine similari. Cystidiis cylindricis, supra coloratis. Sporis 8x6-7 my, guttulatis.
Ad lignum.
Fungi Rickiani 13400, Sta. Maria 1936: Typus.

LLOYDELLA Bresadola

Pileatae sessiles.

Lloydella alba Rick, Broteria 36 (194) 84.
Sessilis, conchiformis, superficie rugulosa, pallida, papyracea, 1 cm lata, tenuis; hymenio albo. Basidiis elongatis, capitatis. Cystidiis primo inflatis, dein fusiformibus, longissimis, asperis, in medio 10-15 my latis. Sporis 10x5-6 my, elongatis.
Ad lignum.
Bona sed rara species. L. bicolori (Pers.) Bres. similis, mollior tamen, pallidior, microscopice distincta. Stereum conchoides Lloyd exterius simile, microscopice tamen diversum.
Fungi Rickiani 16944, Sta. Maria 1936.

Var. **argillacea** Rick, n. var.
Resupinata, sporis 6-8x4-5 my, cuneiformibus, argillaceis.

Lloydella bicolor (Pers.) Bres. — Rick, Broteria 36 (1940) 84 84.
Stereum bicolor (Pers.) Or. — Saccardo 6,585.
Membranacea, mollis; pileo conchato, reflexo, saepe late resupinato, azono, e villoso glabrescente, pallide brunneo, 1-3 cm lato; hymenio tenui, albo, parum rimoso. Cystidiis (pars incrustata) 30-60x10 my, conicis, obtusis. Sporis ellipsoideis vel fere sphaericis, 5-6x3 my.

Ad lignum.
Fungi vetusti cystidia multo maiora generatimque solum tunc hymenium superant.
Fungi Rickiani 16999, S. Leopoldo 1930. — 17050, S. Salvador 1939.

Lloydella Berkeleyana (Ces.) Rick, Broteria 30 (1934) 36; Broteria 36 (1940) 85.
Stereum Berkeleyanum Ces. — Saccardo 6,576.
A L. membranacea (Fr.) Bres. hymenio non incarnato-purpureo, sed ab initio cinereo distincta; vetusta vix discernenda. Sporis 6-8x3,5 my.
Ad lignum.
Fungi Rickiani 16954, S. Leopoldo 1936.

Lloydella membranacea (Fr.) Bres., Ann. Myc. 9 (1911) 271. — Rick, Egatea 15 (1930) 310; Broteria 36 (1940) 85.
Umbonato-sessilis, late resupinata, papyrina; pileo dimidiato, explanato, velutino-umbrino, 1-3 cm lato; hymenio violaceo-fusco-purpureo; cystidiis acutis, 30-45x10-12 my, incrustatis. Basidiis 24-30x6-7 my.
Sporis 6-7x3-4 my.
Ad lignum, non rara.
Fungi Rickiani 16745, Taquarembó 1936. — 16981, S. Leopoldo. — 17044, 20636, S. Salvador 1943-1945.

Lloydella holochrysea Rick, n. sp.
Pileo plerumque resupinato, sed etiam conchato, 1 cm lato, membranaceo-coriaceo, molli, subzonato, brunneo, sicco griseo; margine albo, sublaevi, sicco hirsuto, centraliter costato, scalariformi; hymenio humido ruguloso, nodoso, sicco plano, stereoideo, aureo, versus marginem carneo-tincto; cystidiis magnis, conicis, asperis. Sporis ellipticis, hyalinis, 10x5 my.
Ad lignum.
Etiam aureo-tincta vel fere alba. Colore, pilorum defectu cystidiisque a Stereo ochroleuco distincta. Pulcherrima raraque species.
Fungi Rickiani 20035, S. Salvador 1943: Typus. — 21144, 22801, S. Salvador 1945.

Lloydella intermedia Rick, n. sp.
Resupinata, membranacea, tenax, violacea. Basidiis mediis, cylindricis, 8-10 my latis. Cystidiis longe pedicellatis, cylindricis, obtuse acuminatis, brunneis, saltem nucleo brunneo-hyalino praeditis, non rigidis, rugosis; hyphis subhyalinis, 8 my latis. Sporis 10-14x7-8 my, cylindrico-elongatis.
Ad ignum nudum.
Inter Lloydellam, Hymenochaeten, Stereogloeocystidium intermedia.
Fungi Rickiani 16998, S. Leopoldo 1939: Typus. — 20684, S. Salvador 1944.

Lloydella cinerescens (Schw.) Bres.
Rick, An. Myc. 9 (1911) 178, fungi exs. 247; Broteria 30 (1934) 34; Egatea 15 (1930) 311; Broteria 36 (1940) 85.
Peniophora cinerescens (Schw.) Sacc. — Saccardo 6, 646.
Pileata aut resupinata, coriacea, tenax; pileis dimidiatis, confluentibus, strigoso-zonatis, unicoloribus, cinereo-albidis, 2,5 cm latis, margine tenuiore minus strigoso; hymenio e cinereo fuligineo-purpurascente, sicco rimoso. Basidiis longis. Cystidiis conicis, magnis latisque, incrustatis. Sporis 7-8 my, sphaericis.
Ad lignum.

Sicca brunnea; hymenio rimoso, non tamen lanoso.
Fungi Rickiani 16962, 16993, S. Leopoldo 1935. — 16974, 17023, 17051, S. Salvador 1936.

Lloydella Beyrichii (Fr.) Bres.
Rick, Broteria 30 (1934) 35; Broteria 36 (1940) 86.
Corticium Beyrichii Fr. — Saccardo 6,604.
Mollis, effusa, reflexa, protracta, villosa, separabilis, concentrice sulcata, superne umbrina, membranacea; hymenio velutino, pallescente. Cystidiis conicis, maximis, valde incrustatis. Sporis 9-15x8-9 my.
Pileo cinereo-pallido, numquam ultra 1 cm, reflexo; hymenio postea flavido, sicco lanoso mollique.
Hanc speciem prius sub L. Léveilleana (B. et C.) Bres. recensui, quae tamen mollior, hymenio incarnato. L. cretacea Rick L. Beyrichii varietas haberi postest. Ex hymenio ceraceo esset quidem Peniophora, cetera auten Lloydellae propria.
Fungi Rickiani 16940, 16956, 16966, 16988, 16989, 16991, 16996, 16950, S. Leopoldo 1936. — 16969, Parecí 1936. — 17029, 17031, 20165, 20288, 20832, 22219, 22761, S. Salvador 1943-1945.

Lloydella cretacea Rick, Broteria 36 (1940) 86.
Subresupinata, margine revoluto, breviter pileata, coriacea, lacteo-alba, extus scrobiculata, hirsuta, primo cupularis, deinde confluens.
Cystidiis maximis, conico-acutis, inferne latissimis, valde incrustatis. Sporis 10-15x8-10 my, strictis, perfecte cylindricis.
Ad lignum.
A. L. Beyrichii duritie, hymenii colore pure albo, sporis strictis, rimositate non ita in sicco evidenter distincta; L. Rickii pileo brunneo diversa.
Fungi Rickiani 16967, 16983, 16990, 17021, 17027, 17043, 17048, 17054, S. Leopoldo 1932-1943. — 16976, Parecí 1935. — 20133, 20473, 20397, 20607, S. Salvador 1943-1945.

Lloydella subglabra Rick, Broteria 36 (1940) 86.
Quam L. Beyrichii tenuior, hymenio vegeto albo, in roseum vergente; hymenio sicco minus rimoso nec lanoso. Basidiis longis. Sporis 12x9 my, sed etiam sphaericis.
Ad lignum.
A L. cretacea sporis evidenter distincta.
Fungi Rickiani 16942, 16994, 16997, S. Leopoldo 1932-1936. — 16932, 16935, 16980, Sta. Maria 1935. — 16933, 16943, 16965, 16992, Parecí 1935-1936. — 21062, 22709, S. Salvador 1944-1945.

Lloydella retirugis (Cooke) Rick, Broteria 30 (1934) 34.
Stereum retirugum Cooke. — Saccardo 6,582.
Coriaceo-membranacea, murina; pileo effuso-cupulari, explanato, confluente, marginato, ambitu pallide fimbriato, sublibero; hymenio subvelutino, reticulato-venoso, murino.
Ad lignum nudum.
Colore demum atro-brunneo, margine in vegeto pure albo. Sporis 16x6-8 my, quibus a L. membranaceo differt; hymenii venis in vegeto optime evolutis.
Stereum Schulzeri Quél. et St. paraguayense Speg. huius speciei varietates; quod ultimum hucusque cum Bresadola ad L. membranaceam duxeram. Cf. etiam St. rhytidocolum Sacc.
A. L. membranacea hymenio non purpureo sporisque maioribus distincta.
Crystallocystidium retiruge (Cooke) Rick, Broteria 36 (1940) 143, certe haec species; non est Crystallocystidium.

Fungi Rickiani 16979, 16960, 16984, Parecí 1935. — 16959, 17038, Sta. Maria 1935.
Var. **griseo-rubra** Rick, n. var.
Colore griseo-rubro distincta.
Fungi Rickiani 16964, S. Leopoldo 1939.

Lloydella Rickii (Bres.) — Saccardo 14,223 (Corticium).
Rick, Egatea 13 (1928) 435; Egatea 15 (1930) 311; Broteria 36 (1940) 87.
Ab omnibus pileatis pileo brunneo, scruposo, 3 cm lato, zonato, rigido distincta; hymenio albo. Cystidiis breviter pedicellatis, conico-sphaericis, rugosis, usque 30 my. Sporis 12-13x7,5-8 my.
Ad lignum.
Fungi Rickiani 16934, 16941, S. Leopoldo 1907. — 16955, 16963, 16973, Parecí 1935.

Lloydella subalba Rick, Broteria 36 (1940) 87.
Sessilis aut pede brevi, brunneo-alba; hirsutula, 1 cm lata, conchoidea; hymenio luteo. Cystidiis breviter pedicellatis, hyalinis, 50-60x20-25 my, acutissimis, apice breviter incrustatis. Basidiis 30-40x8-9 my. Sporis 3-7x3-5 my.
Ad lignum.
Stereo conchato Lloyd similis forsanque identica. Cystidiorum incrustatio in fungo sicco saepe evanida. L. albae similis, sed hymenii colore sporisque diversa.
Fungi Rickiani 16938, Sta. Maria 1935: Typus. — 17020, S. Salvador 1943.

Resupinatae.

Lloydella farinacea Rick, n. sp.
Plagulatim resupinata, primitus albo-farinacea, membranacea, tenax, cremea; cystidiis conicis, breviter pedicellatis, 40x20 my, parum incrustatis, obtusis. Sporis plerumque 10x9 my, sed etiam 12-13x10 my, ovatis, hyalinis. Basidiis brevibus, membrana vix visibili.
Ad ramum.
Fungi Rickiani 17030, S. Salvador 1943: Typus.

Lloydella dissita (Berk.) Rick, Broteria 30 (1934) 35; Broteria 36 (1940) 87.
Peniophora dissita (Berk.) Cooke. — Saccardo 6,645.
Ab aliis speciebus margine late fimbriato modoque crecendi per plagulas separatas, demum confluentes distincta. Vetusta quandoque margine elevato extusque hirsuto ornata. A. L. Beyrichii, quamvis sporis identicis, vere diversa. Hymenio sicco pallido, non rimoso, nec lanoso.
Ad lignum.
Fungi Rickiani 16985, 17045, S. Leopoldo 1936. — 16948, Sta. Maria 1935. — 16968, 16982, 17000, 17032, Parecí 1935. — 17033, 20272, 20661, 21053, S. Salvador 1942-1944.
Var. **griseo-cinerea** Rick, n. var.
Hymenio ceraceo-griseo; sporis 10x9 my.

Lloydella roseola Rick, Broteria 30 (1934) 36; Broteria 36 (1940) 88.
Sicca roseo-alba, parce rimosa, margine saepe elevato, brunneo; longe lateque extensa; hymenio roseo. Basidiis cylindricis, mediis, 9 my latis. Cystidiis longissimis, obtusis, lageniformibus vel acute grosseque incrustatis. Sporis 8x4-5 my, hyalinis.
Ad lignum.
Fungi Rickiani 16939, 16947, 16978, Sta. Maria 1936. — 17028, 17034, 20082, S. Salvador 1943

Lloydella lactea Rick, n. sp.
Late resupinata, lactea, laevis, interrupta, margine determinato, coriaceo-membranacea, dura, contextu denso, hyphis 3 my; cystidiis crassis, mediis, incrustatis, unicum fere crystallum laeve formantibus. Sporis 10x3-4 my, cylindricis.
Ad lignum.
Inter Crystallocystidium Lloydellamque intermedia.

Lloydella brunnea Rick, Broteria 34 (1938) 76; Broteria 36 (1940) 88.
Colore cinnamomeo, cystidiis longissimis, acutissimis, incrustatis distincta. Sporis 8-12x6-7 my.
Ad lignum.
L. cinerescens pallidior est, exasperata nec laevis.
Fungi Rickiani 16962, 16993, S. Leopoldo 1935. — 16932, Sta. Maria 1936. — 16974, 17023, 17051, S. Salvador 1943.

Lloydella punctata Rick, Broteria 34 (1938) 76; Broteria 36 (1940) 88.
Hymenio cinereo, atropunctato, cystidiis innatis, brevibus, incrustato-echinatis distincta. Sporis 10-14x5 my.
Ad lignum.

. **Lloydella durissima** Rick, Broteria Broteria 36 (1940) 88.
Resupinata, immarginata, crustaceo-coriacea, durissima, cinereo-carnea, pallescens, postea soluta, aspectu farinoso. Basidiis mediis, tenuibus. Cystidiis 30-90x5-15 my· incrustatis, conicis, acutis aut obtusis, pede lato, plurimis. Sporis 6-8x3,5-4 my, cylindricis, binucleatis, medio constrictis, spurie septatis.
Ad lignum.
Fungi Rickiani 17040, 17039, S. Leopoldo 1931. — 17024, 17047, 23132, 22654, S. Salvador 1943-1945.

Lloydella carneo-olivacea Rick, Broteria 36 (1940) 89.
Resupinata, carneo-olivacea, membranacea, margine valde albo-lanoso, tenax. Basidiis longis, stipitatis, angustis, bisporis, conglutinatis. Cystidiis conicis, 40-80x30 my, hyalinis, immersis, valde asperis. Sporis 9-10x5 my, depressis.
Ad lignum corticemque.
Fungi Rickiani 16949, S. Leopoldo 1936: Typus. — 16972, Sta. Maria 1936. — 17011, 20291, 20202, 22829, S. Salvador 1943-1945.

Lloydella Leveilleana (B. et C.) Bres.
Rick, Egatea 15 (1930) 311. — Broteria 30 (1934) 34; Broteria 36 (1940) 89.
Stereum Leveilleanum B. et C. — Saccardo 6,581.
Effusa, crassiuscula, resupinata, carnea, mollis, margine demum libero, sicca pallida. Cystidiis mediis, generatim conico-acutatis, 12 my latis, pede brevi. Sporis 6-10x6-9 my, crasse apiculatis, subhyalinis.
Ad corticem.
Hanc speciem semper cum L. Beyrichii confudi, a qua tamen forma, colore notisque microscopicis distincta.
Fungi Rickiani 16986, S. Leopoldo 1933. — 17017, 17022, S. Salvador 1943.

Lloydella conspersa Rick, Broteria 36 (1940) 89.
Resupinata, tenuis, coriacea, primitus olivaceo-brunneo-conspersa, sicca parce rimosa, fere immarginata, farinosa. Basidiis mediis, latis. Hyphis luteo-brunneis; toto contextu brunneo. Sporis 14-19x6-10 my, cylin-

dricis, elongatis, hyalinis. Cystidiis latis, acutis, pedunculatis, crasse incrustatis.
Ad lignum.
Typus immarginatus, sed etiam specimina marginata a me lecta. Sporis elongatis ab allis distincta; cf. Peniophora subcarneola Rick.
Fungi Rickiani 16957, Cêrro Azul 1935. — 22559, Tupandi 1945. — 17012, 17052, 17056, 20090, 20317, 20774, 20794, 20929, 20939, 22684, 22952, S. Salvador 1943-1944.

Lloydella cinereo-alba Rick, Broteria 36 (1940) 89.
Resupinata, coriacea, cinereo-alba, sicca pallida, tomentosa, margine irregulari, tenui. Basidiis mediis, 9 my latis. Cystidiis conicis, mediis 15 my latis, incrustatis. Sporis 12-15x6-7 my, elongato-ellipticis.
Ad corticem.
Fungi Rickiani 17006, S. Leopoldo 1935: Typus. — 20728, S. Salvador 1944.

Lloydella striispora (Rick) Rick, n. comb.
Thelephora striispora Rick, Broteria 30 (1934) 32.
Tenuissima, membranacea, effusa, hirsuta, margine similari. Sporis 9-12x7-8 my, brunneolis, striis longitudinalibus ornatis.
Ad lignum.
Pallida et ceracea, sed contextu duro. Vide Peniophoram costatam Rick. Specimen habeo siccum citrinum, sporis 6-8x6 my.
Fungi Rickiani 19277, S. Leopoldo 1930: Typus, subThelephora striispora Rick.

Lloydella expallens Rick, Broteria 36 (1940) 90.
Resupinata, tenuis, membranaceo-coriacea, immarginata, roseola albave, sicca pallida. Basidiis linearibus, 8 my latis. Cystidiis conicis, 20-40x10-20 my, fere crystalloideis, sed rugosis regularibusque.
Sporis 4-5x3 my.
Ad corticem.
Fungi Rickiani 17005, S. Leopoldo 1933: Typus. — 17010, S. Leopoldo 1940. — 17026, S. Salvador 1943.
Var. **intermedia** Rick, n. var.
Multifracta, postea flava.
Fungi Rickiani 20864, S. Salvador 1944: Typus.

Lloydella ochracea Rick, Broteria 36 (1940) 90.
Resupinata, sterea, ochracea, membranaceo-crustosa, crassa, rugosa, rimosa, margine leviter tomentoso, albo; sicca alba. Cystidiis plurimis, 40-50x15 my, conicis, obtusis, luteolis, parum ramosis, apice conglutinatis. Sporis 5-6x3 my, cylindricis, non depressis.
Ad corticem.
Peniophorae lurido-olivaceae Rick aspectu.
Fungi Rickiani 17015, S. Salvador 1943.

Lloydella stramineo-membranacea Rick, Broteria 36 (1940) 90.
Resupinata, laxe adhaerens, margine indeterminato, mollis, subtus alba. Cystidiis sphaerico-conicis, usque 30 my latis, incrustatis, pedicellatis. Setulis 2 my latis, luteolis, valde ad apicem ramosis. Sporis sphaericis, hyalinis, 6-7 my.
Ad corticem.
L. ochracea et L. stramineo-membranacea praeter cystidia setulas asterostromelloideas basidia cystidiaque obtegentes habent.
Fungi Rickiani, 17025, S. Salvador 1942.

Lloydella tecta Rick, n. sp.
Stereoideo-dura, coriacea, resupinata, albo-grisea, in vegeto griseo-lutea, dura, immarginata, scruposo-nodulosa. Setulis luteis, inter se connexis conglutinatisque. Sporis sphaericis, hyalinis, laevibus.
Ad lignum vetustum.
Sicut duae praecedentes species Lloydellae cum Asterostromella combinatio; stroma siccum cervinum, non rimosum.
Fungi Rickiani 12066, Sta. Maria 1936: Typus.

Lloydella vitellina (Dur. et Lév.) Rick, Broteria 30 (1934) 35; Broteria 36 (1940) 90.
Stereum vitellinum Dur. et Lév. — Saccardo 6, 586.
Resupinata, coriacea, solida, in fragmenta mox divisa, flavo-vitellina, obtuse crasiusculeque papillosa, glabra. Cystidiis immersis, obtusis, rugosis, flavo-repletis. Sporis 8-10x4 my.
Ad lignum.
Fungi Rickiani, 16955, Itapiranga 1930. — 17053, S. Salvador 1943.

CRYSTALLOCYSTIDIUM Rick, Broteria 36 (1940) 139.

Stereum cum crystallis magnis, subsessilibus, solitariis botryosisve in hymenio sparsis; pars subhymenialis plerumque reticulata; praeterea hyphae fere semper dendrophysoideae adsunt, ita ut hymenium cystidiaque his filamentis obtegantur; in plurimis resupinatis crystalla inveniuntur adventitia, quae tamen in hoc genere ab ipso fungo producta sunt. Setulae probabiliter non constantes. Aliquae species Lloydellae videntur abortivae; omnes ulteriorem requirunt inquisitionem.

Nota editoris: Relate a hoc genus Rick sequentem reliquit notam:
"Adest in manuscripto genus Crystallocystidium, iam prius publicatum, cum speciebus ibi enumeratis; aperte tamen fateor, species ibidem enumeratas ulteriore indigere comprobatione, quam ego senex facere iam non possum. Hinc melius esse censeo diagnoses intactas repetere, quae, cum typi in herbario adsint, suo tempore a iuniore mycologo revideri possunt; species revisae forsan ad Lloydellam vel Stereum reducendae censebuntur".
Genus hoc cl. auctorem, propter non claram crystallorum naturam, usque ad mortem vexavit.

Crystallocystidium parallelum Rick, Broteria 36 (1940) 140.
Effusum coriaceum, durum, marginibus in hymenio effuso scalaribus, elevatis, 5 mm crassis; undulans, firmiter adnatum, marginibus parallelis, stramineo-avellaneis; hymenio laevi, polito. Crystallis conicis, paulo angulatis, obtuse acutatis, 20x10-25 my, raro brotryosis.
Sporis non visis.
Ad corticem.
Colorem habet Stereofomitis nodulosi Rick, tenuius tamen et non stratosum.
Fungi Rickiani 12392, S. Leopoldo 1938: Typus.

Crystallocystidium intermedium Rick, Broteria 36 (1940) 140.
Effusum, coriaceum, corticii forme, ad modum Sterei frustulosi multifractum, album, postea flavescens, margine similari. Crystallis generatim 25x15 my, obtusis, conicis, hyalinis, plurimis, saepe vix rugosis.
Sporis 4x3 my.

Ad corticem.
Lloydellae simile, cystidiis, aliquando crystallis plurimis, parvis, rugose incrustatis.
Fungi Rickiani 12387, S. Leopoldo 1934: Typus. — 12381, 12382, 12400, 12409, S. Leopoldo 1934. — 19623, Sta. Maria 1936.

Crystallocystidium albo-purpurascens Rick, Broteria 36 (1940) 140.
Coriaceum, flexile, subresupinatum, margine soluto, erecto, parce fimbriato, pallido; subtus brunneum, facile a substrato solubile; hymenio humido livide purpureo, sicco albo-griseo, ex hyphis longis, 8 my latis, apice hyalinis formato; pars subhymenialis late retiformis, pseudoparenchymatica. Crystallis sparsis, irregularibus, saepe conicis, variis. Sporis 5-7x4 my.
Ad corticem.
Fungi Rickiani 12406, S. Leopoldo 1932: Typus. — 20834, S. Salvador 1945.

Crystallocystidium tenue Rick, Broteria 36 (1940) 141.
Minute coriaceum, vix 1 mm crassum, resupinatum, lividum, margine indeterminato, siccum pallidum; hyphis 3 my, conglutinatis; parte subhymeniali reticulata. Basidiis linearibus, brevibus, 35x7 my. Crystallis conicis, 40x9-15 my, parum rugosis. Sporis 4x3 my, hyalinis.
Ad ramorum corticem.
Forsan melius Lloydellae expallentis Rick varietas.
Fungi Rickiani 12405, Taquarembó 1935: Typus. — 12398, S. Leopoldo 1932.

Crystallocystidium entero-flavum Rick, Broteria 36 (1940) 141.
Coriaceo-crustosum, margine albo-fimbriato, in sicco luteum, in vegeto pallidius, humefactum carneo-luteum; minute pulverulentum, inaequabile, difficile detrahendum; hyphis 2 my latis, crispis. Crystallis variis, plerumque parvis, saepe flavo-coloratis. Textura retiformis. Setulis luteis, minimis. Tota textura laete flava. Sporis 8-9 my, angulatis, sed etiam piriformibus.
Ad corticem.
Fungi Rickiani 12388, Cruz Alta 1936: Typus. — 12395, Cruz Alta 1936.

Crystallocystidium triste Rick, Broteria 36 (1934) 141.
Resupinatum, coriaceo-membranaceum, fuligineum, in sicco griseo-pallidum, margine tenui, albo, subvelutino; hyphis 3 my. Crystallis 40-20 my, conico-ovatis, saepe mammosis, non botryosis, subsessilibus, subrugosis. Setulis luteis; parte subhymeniali conglutinata. Sporis 8-13x3-4 my, cylindricis.
Ad corticem.
An Stereo tristi Berk. identicum?
Fungi Rickiani 20020, S. Salvador 1943: Typus. — 20383, 20950, S. Salvador 1944.

Crystallocystidium luteo-lividum Rick, Broteria 36 (1940) 141.
Coriaceum, resupinatum, livido-luteum, margine subplicato revoluto, brunneo; hymenio albo, pulverulento, irregulariter sparso; textura retiformi, hyphis tenuissimis spinosa, hyalinis 2,5-3 crassis. Cystidiis subsessilibus, 30-50x30 my, e crystallis botryose compositis, 10 my latis, hyalinis. Basidiis 10 my, ovatis, sessilibus, unisporis.
Sporis 7-9x6 my, in humido ovatis, in sicco quadrangularibus.
Ad corticem.
Fungi Rickiani 12391, S. Leopoldo 1939: Typus.

Crystallocystidium albo-badium Rick, Broteria 36 (1940) 142.
Resupinatum, coriaceum, immarginatum, primo albo-pulverulentum,

dein brunneum (colore corii); hyphis latis, luteis. Crystallis subsessilibus, botryosis, plerumque autem singulo crystallo vitreo, laevi, conico, 15 30 my lato, 30-40 my alto, acuto, apice saepe appendiculato. Sporis 6-8x4 my.
Ad corticem.
Utrum Stereum albo-badium, cuius descriptio macroscopica consonat, identicum sit, nescio.
Fungi Rickiani 12396, S. Leopoldo 1932: Typus. — 12394, S. Leopoldo 1931.

Crystallocystidium subcrustosum Rick, Broteria 36 (1940) 143.
Coriaceo-crustosum, resupinatum, margine brunneo, tenero, vix elevato; hymenio sicco, albo-pallido; hyphis 7 my latis. Basidiis 30-40x6-8 my. Hypharum in parte subhymeniali contextu reticulato. Crystallis usque 40 my, non botryosis, paucis, aliquibus tenuibus, 25 my longis, spinosis. Sporis humidis, 7x5 my, subdepressis.
Ad corticem.

Crystallocystidium variolosum Rick, Broteria 36 (1940) 143.
Coriaceo-crustosum, tenue, chalybaeum; superficie leproso-punctata; hyphis subhymenialibus reticulatis. Crystallis conicis, 15 my, numerosis, botryose connexis, sessilibus. Sporis 10-13x3-4 my.
Ad corticem.
An Stereo varioloso Speg. identicum? Crystalla forsan non nativa.
Fungi Rickiani 12399, S. Leopoldo 1932: Typus.

Crystallocystidium sericeo-nitens, Rick, Broteria 36 (1940) 143.
Effusum, coriaceum; margine elevato, subpileato, fibroso, flavo-brunneo, sericeo-nitente; hymenio luteo-carneo, parce farinoso, sicco pallido; hyphis 4-7 my, luteis; parte subhymeniali retiformi. Crystallis subsphaericis, dense aggregatis, usque 30 my latis. Sporis 8x6 my.
Ad corticem.
Forsan melius Stereum. Stereo vibranti omnino simile, non tamen ita farinosum vibransque. Forsan Stereo sericeo-nitenti Speg. identicum.
Fungi Rickiani 19664, S. Leopoldo 1932: Typus.

Crystallocystidium pauperrimum Rick, n. sp.
Exterius sicut Odontia mucedinea, non autem dentatum; praeterea differt quia non membranaceum; cystidiis plurimis, ramificatis, incrustatis, axillaribus.
Ad lignum.
An Wiesnerina?
Fungi Rickiani 20852, S. Salvador 1944: Typus.

HYMENOCHAETE Léveillé.

Hymenochaete ambiens B et C. — Saccardo 6,596. — Rick, Broteria 30 (1934) 36.
Effusa, tenuis, velutina, badio-fusca, tota innata, subiculo tenuissimo, margine delicate velutino vel subobsoleto; setulis obtusis, 40-60x15 my, basi saepe convergentibus. Sporis 4-5x3-4 my. albis.
Ad corticem vivum.
Fungi Rickiani 16411, 1645, S. Leopoldo 1930. — 16405, 20366, S Salvador 1943.

Hymenochaete floridea B. et Br. — Saccardo 6,596. — Rick, Broteria 30 (1934) 36.
Resupinata, immarginata, tenuissima, purpureo-rubiginosa; setis acu-

tatis, numerosis, 50x8 my, brunneis, fasciculatis. Sporis 6-7x3-4 my, curvulis.
Ad corticem.
Fungi Rickiani, 22817, 20563, S. Salvador 1945.

Hymenochaete olivacea Cooke. — Saccardo 6,598. — Rick, Broteria 30 (1934) 37.
Effusa, atro-olivacea, rugosa, velutina, margine albo-fibroso, adnato circumdata; setis cylindraceo-clavatis, scabris, deorsum profunde attenuatis, pallidis; contextu fibroso, laxo, molli. Sporis 5-8x5-6 my.
Ad lignum.
Setulis pallidis ad Lloydellam vergit; forsan idem ac L. Kalchbrenneri (Mass.) Bres.
Fungi Rickiani 16415 (S. Leopoldo 1907.

Hymenochaete spreta Peck. — Saccardo 6,595. — Rick, Broteria 30 (1934) 37.
Effusa, adnata, sublaevigata, crassa, ferruginea; setis longiusculis, gracilibus conspersa; demum in areolas frustulatas disrupta, immarginata. Sporis 8x3 my.
Ad lignum.
Burt hanc speciem H. cinnamomeae identicam habet.
Fungi Rickiani 16446, 16480, 16484, 16489, S. Leopoldo 1932. — 20930, S. Salvador 1944.

Hymenochaete unicolor B. et C. — Saccardo 6, 597. — Rick, Broteria 30 (1934) 37.
Resupinata, rubescenti-avellanea, coriaceo-membranacea, mycelio albofibrilloso, contextu inferne albo; setulis obscuris, numerosis, 40 my longis, acutis; hymenio noduloso, brunneo-griseo. Sporis 6x4 my, cylindraceo-ovatis, hyalinis.
Ad corticem.
Descriptio mea est.
Fungi Rickiani 16456, Pareci 1935. — 20327, S. Salvador 1943.

Hymenochaete proxima Rick, Broteria 30 (1934) 37.
Resupinata, tota innata, tenuissima, avellanea, rimulosa; margine ferrugineo-velutino, angusto; setulis obscuris, minimis. Sporis 5-6x3 my, cylindraceis, altero latere depresso, hyalinis. Mycelio albo.
Ad corticem vivum.
H. innatae proxima.
Fungi Rickiani 16464, S. Leopoldo 1930: Typus.

Hymenochaete corrugata (Fr.) Lév. — Saccardo 6,595. — Rick, Broteria 30 (1934) 38.
Subeffusa, arcte adnata, mox grumosa, pallide cinnamomea; hymenio setis ferrugineis obsito, 40 my longis, asperis; sicca rimosissima. Sporis 6-8x4,5-6 my.
Ad corticem.
Generatim rugosa.
Fungi Rickiani 16412, 16430, 16457, S. Leopoldo 1930. — Sta. Maria 1936, 16472.

Hymenochaete umbrina B. et C. — Saccardo 6,598. — Rick, Broteria 30 (1934) 38.
Subimbricata, supra leviter reflexa; margine subiculoque luteis, spongioso-tomentosis; hymenio umbrino; setis clavatis, basi attenuatis, 40x10 my. Sporis 5-6x3 my, altero latere depresso.
Ad corticem.

Hymenochaete bonariensis Speg. — Saccardo 6,599. — Rick, Broteria 30, (1934) 38.
Latissime effusa, tenaciter adnata, scruposula, pulchre cinerea,, piloso-punctulata; margine subindeterminato, zona fibrilloso-subazònica, tomentosa, aurantiaco-fulva ornato; hymenio primo ferrugineo-cinnamomeno, deinde griseo; setis acutis asperisve, 60-80x12-14 my, basi non incrassatis, sanguineo-fuligineis. Sporis ellipticis, saepius inaequilateralibus, 6-7x3-4 my, hyalinis.
Ad corticem.
Ex sporis haec species videtur H. ferruginea vetusta. Pleraeque Hymenochaetes species demum evadunt griseae. In eodem cortice formam vere ferrugineam cum coloribus intermediis legi.
Fungi Rickiani 16452, S. Leopoldo 1939. — 20391, S. Salvador 1943.

Hymenochaete fulvella Berk. — Saccardo 6,598. — Rick, Broteria 30 (1934) 38.
Effusa, subcoriacea, laete ferruginea, subtus obscurior; margine lobato, demum libero. Sporis 8x4 my. Setis acutis. 30-40x10-15 my.
Ad corticem vivum.
Plagas format dissitas, 1 cm diametro, irregulares, sat crassas; sicca umbrina; setae maiores quam in Cookei diagnosi, aliquidque scabrosae; intus atra; sporae in meo specimine 5-7x4-5 my. Quamvis determinatio huic speciei quadrare videatur, dubia manet ob notarum microscopicarum discrepantiam; ceterum dubium est num Cooke veras viderit sporas.
Fungi Rickiani 16433, S. Leopoldo 1931. 22870, S. Salvador 1945.

Hymenochaete tabacina (Sow.) Lév. — Saccardo 6,590. — Rick, Egatea 15 (1930) 398; Broteria 30 (1934) 39.
Resupinata, fragilis, margine stratoque medio aureis, tabacina, setulis parvis. Sporis 5x3 my, hyalinis.
Ad corticem.
Invenitur et pileata et resupinata.
Fungi Rickiani 16475, 19765, S. Leopoldo 1906.

Hymenochaete simulans (B. et Br.) Bres., Hedwigia 35 (1896) 289.
Rick, Ann. Myc. 9 (1911) 178, fungi exs. 264.; Broteria 30 (1934) 39.
Stereum simulans B. et Br. — Saccardo 6,573.
Effusa, rigida, corrugata, omnia incrustans, saepe tuberculis magnis, informibus occupata, flavo-ferruginea, demum canescens; setulis minimis; mycelio albo in cortice vegetante. Sporis 7-10x4-5 my, hyalinis.
Ad corticem.
Bresadola 1. c. setulas vocat longas.
Fungi Rickiani 16467, 16475, S. Leopoldo 1905.

Hymenochaete avellanea (Fr.) Lév. — Saccardo 6,592. — Rick, Broteria 30 (1934) 39.
Coriacea, dura, effusa; margine obtuso, libero, anguste reflexo, spadiceo, villoso; hymenio e velutino pruinato glabratoque, ferrugineo-pallente; setis numerosis, subfusiformibus. Sporis 7-9x7 my.
Ad truncos.
Hymenio colore generali griseo, attamen maculis maioribus ferrugineis obsito; minus rugosa duraque quam H. corrugata.
Fungi Rickiani 16461, 16491, 19663, S. Leopoldo 1931-1940. — 16445, 16408, S. Salvador 1939-1943.

Hymenochaete aspera B. et C. — Saccardo 6,592. — Rick, Broteria 30 (1934) 40.
Rubiginosa, pileo dimidiato, imbricato, zonato, colliculoso, noduloso; setis plurimis, atris, 60-75x5 my. Sporis 7x3 my, hyalinis. Sporis coloreque a H. corrugata distincta.
Fungi Rickiani 20393, S. Salvador 1943.

Hymenochaete insularis Berk. — Saccardo 6, 598. — Rick, Broteria (1934) 40.
Effusa, resupinata, rubiginosa, primum orbicularis, margine angusto, tomentoso, candido; hymenio rimoso, velutino; setis subacutis, 40-50x8 my. Sporis 3-4x2 my, cylindricis.
Ad corticem.
Fungi Rickiani 16458, 16477, S. Leopoldo 1931-1940. — 22714, S. Salvador 1944.

Hymenochaete epichlora (B. et C.) Cooke — Saccardo 6,596. — Rick, Broteria 30 (1934) 40.
Subiculo tenui, viridi-luteo, margine angusto; hymenio olivaceo-umbrino, demum griseo; setis sparsis delicatisque, 25-30x4 my. Sporis 3-5x3,5 my, hyalinis.
Ad lignum nudum.
Fungi Rickiani 22849, S. Salvador 1944.

Hymenochaete Sallei B. et C. — Saccardo 6,593. — Rick, Egatea 15 (1930) 398.
Pileo papyraceo, ferrugineo, repetite zonato, pilis decumbentibus, sericeo-velutino, plicato, margine lobato; hymenio spadiceo, antice crocato Sporis 6-7x3 my, elongatis.
H. tenuissimae similis, latior tamen hymenioque minus ferruginoso, tenacior, margineque intense colorato. H. tabacina e H. cacao etiam huc spectare videntur.
Fungi Rickiani 16462 S. Leopoldo 1930. — 16490, Parecí 1935. — 16473, Taquarembó 1935. — 16481, Sta. Maria 1935.

Hymenochaete damaecornis (Link) Lév. — Saccardo 6, 589. — Rick, Egatea 15 (1930) 398.
Coriacea, stipitata; pileis plurimis e stipitis apice dilatato, superpositis, rugosis, laevibus, stipite lateraliter adnatis, fissis, rosulam formantibus; stipite centrali, velutino, fusco-ferrugineo usque brunneo, cum pileo concolore; hymenio concolore, setoso.
Sporis 4-6x3,5-4 my.
Ad terram frequens.
Fungi Rickiani 16409, S. Leopoldo 1905.

Hymenochaete tenuissima Berk. — Saccardo 6, 593. — Rick, Ann. Myc. 3 (1905) 16, fungi exs. 31. — Broteria 5 (1906), 10; Egatea 15 (1930) 397.
Pileo sessili, tenuissimo, 1 cm lato, imbricato, crispo, rugoso, fulvo-rubiginoso, zonato, fasciculato-villoso; hymenio luteo-rubiginoso, setis acutis, 100x8-10 my, coloratis. Sporis 6-7 my, hyalinis, elongatis.
Ad truncos frequentissima.
A Stereo badio pileo flexibilissimo setisque distincta.
Fungi Rickiani 16435, 16414, 16410, 16413, 16442, 16493, 16429, S. Leopoldo 1904-1937. — 20155, S. Salvador 1943.

Hymenochaete Boltonii (Sacc.) Cooke. — Saccardo 6, 590.
Pileis effusis, reflexisque, saepius agregatis, ochraceo-fuscis, tomentosis; margine albicante, undulato; hymenio sordide ochraceo-cinereo, minutissime velutino, denique rimuloso, setis cylindricis, basi attenuatis, ob-

tusiusculis, 50-100x5-6 my, ferrugineis. Sporis oblongo-ovoideis, 6-8x3-4 my.
Ad lignum.
Fungi Rickiani 16441, Sta. Maria 1935. — 16444, Sta. Maria 1936.

STEREOFOMES Rick, Egatea 13 (1928) 435.

Stereum hymenio multiplici, superposito, perenni, ad modum Fomitis. Crystalla adventitia generatim adsunt.

Stereofomes nodulosus Rick, Egatea 13 (1928) 435; Egatea 15 (1930) 396; Broteria 30 (1934) 170; Broteria 36 (1940) 145.
Unguliformis, magnus, crassus, Fomiti similis, 1 cm altus latusque, superne olivaceo-viridis, valde nodulosus; hymenio albo, dein stramineo, velutino, pluristratoso; contextu e pallido brunneo.
Praeter pororum defectum prorsus ut Fomes apparet; sporas numquam inveni. Species Fomitis unguliformis habitu, usque 10 cm alta, dura, contextu pallido, stratis annualibus numerosis; superficie nodulosa hymenioque pallidis.
Fungi Rickiani 19590, Itapiranga 1926. — 15241, S. Leopoldo 1939. — 15248, S Salvador 1942. — 15248, Parecí 1942.

Stereofomes annosus (B. et Br.) Rick, Egatea 15 (1930) 396; Broteria 30 (1934) 171; Broteria 36 (1940) 145.
Stereum annosum B. et Br. — Saccardo 6,586.
Crassus, durus, intus rufus, stratosus; margine elevato, subpileato; hymenio albo, sicco pallido, umbrino, rimoso; hyphis 1,5 my latis.
Basidiis brevibus, clavatis. Sporis 10x7 my.
Ad truncos, facile detrectabilis.
Hymenium in meis speciminibus non rimosum.
Aliud exemplar legi alutaceum, frustulatim crescens, non facile detrectabile, cum cystidiis apice cristatis; quod etiam huic speciei adiudicandum puto.
Fungi Rickiani 14725, 14747, S. Leopoldo 1939. — 20346, S. Salvador 1943.

Stereofomes terrestris Rick, Egatea 15 (1930) 396; Broteria 30 (1934) 170; Broteria 36 (1940) 145.
Hymenium niveum, tuberculosum, velutinum, intus avellaneum; hyphis 1,5 my, brunneo-lutescentibus.
Ad terram.
Forsan Stereum fomitopsis Lloyd, Myc. Notes 7,2657.
Fungi Rickiani 15242, S. Leopoldo 1929: Typus.

Stereofomes cruentatus Rick, Broteria 36 (1940) 146.
Lignosus, crassus, stratosus, non separabilis, resupinatus, margine nullo, obscure sanguineo-ruber, laevis; hyphis 1,5 my, conglutinatis, luteo-brunneis, saepe in extremitate capitulo 20 my lato praeditis, botryoso, luteo-atro. Basidiis brevibus, clavatis.
Ad truncum adustum.
Prius a me tamquam varietas Corticii insinuantis habitus; alia tamen videtur species.
Fungi Rickiani 14728, Villa Peperí 1930: Typus.

Stereofomes resupinatus Rick, Egatea 13 (1928) 435; Egatea 15 (1930) 395; Broteria 30 (1934) 170; Broteria 36 (1940) 146.
Resupinatus, initio flavo-pulverulentus, demum brunneus; hyphis 1,5 my, brunneo-luteis. Sporis 5-6 my, granulatis, grosse apiculatis.

Ad lignum nudum.
Typus generis; Stereo portentoso similis.
Fungi Rickiani 15246, S. Leopoldo 1930.

Stereofomes stratosus (B. et Br.) Rick, Egatea 15 (1930) 397.
Stereum stratosum B. et Br. — Saccardo 6,585.
Var. **brasiliensis** Rick, Egatea 15 (1930) 397; Broteria 30 (1934) 171; Broteria 36 (1940) 146.
Effusus, nitide ochraceo-albus, laevis, demum lutescens, hic illic rugosus; contextu pallido, stratoso, stratis demum separantibus; in vegeto pruina alba conspersus, in sicco pure albus, ceterum versicolor. Sporis hyalinis 6x5 my, subangulatis.
Ad lignum.
Stereo portentoso similis.

Stereofomes pruinatus (B. et C.) Rick, Egatea 15 (1930) 396. — Broteria 30 (1934) 171; Broteria 36 (1940) 146.
Stereum pruinatum B. et C. — Saccardo 6,586.
Durus, resupinatus, crassus, olivaceus, pruinatus, pruina tamen non flavida; saepe non vere stratosus; hyphis 1,5 my; in sicco albus.
Sporis 5-7 my, sine apiculo, qua nota maxime a S. resupinato distinctus.
Ad lignum.
Fungi Rickiani 15240, S. Leopoldo 1939. — 15245, S. Leopoldo 1930.
Var. **reticulata** Rick, Broteria 36 (1940) 147.
Sporis reticulatis.
S. stratosus var. brasiliensis et S. pruinatus Sterei portentosi formae videntur perrennes, utpote speciei valde chamaeleonticae.

MYCOBONIA Patouillard.

Mycobonia flava (Berk.) Pat., Bull. Soc. Myc. Fr. 16 (1900) 180-181. — Rick, Broteria 5 (1906) 11 (Bonia); Egatea 15 (1930) 397; Broteria 36 (1940) 147.
Pileo 1-10 cm lato, coriaceo, flaccido, cupuliformi, flavo, extus rugoso vageque striato, laevi; hymenio pallidiore, setulis sub lente visibilibus, luteis, sub microscopio ex hyphis unitis compositis. Basidiis brevibus. Sporis 25x5 my.
Ad ramos, non rara.
Saepius lobata et rubro-brunnea.
Fungi Rickiani 14383, 14385, 14386, 14387, 19651, S. Leopoldo 1905-1939.

EPITHELE Patouillard.

Observationes mihi liceat exponere quasdam circa cystidia per multos annos factas; dubium mihi nempe semper fuit, utrum cystidia verum habeant valorem systematicum necne. Hac de causa unum iddemque specimen, quod sub nomine Odontia corticioides Rick edidi, per plus quam 5 annos in eodem trunco observavi, ubi unoquoque anno semper sine cystidiis fructificavit. Cum tamen in eadem silva eandem speciem cum cystidiis viderim, de identitate ceteroquin clara ortum est mihi dubium. Septimo vero anno specimen observatum cystidia produxit. Sed iam nunc plane alia erant adiuncta; truncus enim ille stans, in quo per sex annos vegetaverat, caesus nunc et cum parte a fungo occupata versus terram iacebat, ibique cystidia orta erant.

Ergo omnimoda constantia non adest, quamquam generatim cystidia notas praebeant constantes. Iddem dicendum de setulis asterostromelloideis.

Epithele horridula Rick, Broteria 36 (1940) 148.
Resupinata, tenuis, plagis parvis, resupinatis, tenax, grosse setulosa, fere hydnoides. Sporis albis, triangulari-irregularibus, 5x4 my, grosse apiculatis.
A Kneiffiella tenacitate differt; forsan E. Dussii Pat. identica.

Epithele straminea Rick, n. sp.
Resupinata, coriacea, albo-straminea, membranacea, margine arachnoideo-hirsuto, adnato, sicca rupta lopharioidesque, humida dense setulosa, setulis 10x50 my, fibris iunctis, scopiformibus, stramineis.
Sporis 6x7 my, subsphaericis.
Ad corticem.
Fungi Rickiani 20933, S. Salvador 1944: Typus.

Epithele nivea Rick, n. sp.
Extensa, resupinata, delicate membranacea, nivea, odontioides, margine farinoso; hyphis 3 my latis, laxe contextis; cystidiis 0,2 mm altis, acutis, ex hyphis latis, nodoso-crystalliferis, crispis, irregularibus, obtusis, apice conglutinatis formatis. Sporis cylindricis, 6x3-4 my. Margine farinoso. Basidiis non visis.
Ad Phytolaccam dioicam L.
Fungi Rickiani 12943, S. Salvador 1943: Typus.

Epithele bambusina Rick, n. sp.
Delicate membranacea, plagulatim confluens extensaque, resupinata, albo-cremea, hirsutissima, tenax, non ceracea. Basidiis pedicellatis, clavatis, clava 20-30x15-20 my; sterigmatibus 4, curvis, longis, unicellularibus. Cystidiis scopiformibus. Hyphis longissimis, hyalinis, 3 my latis, in dentes conicos 100-200 my longos unitis.
Sporis irregulariter ovatis, subcoloratis, punctato-scabris.
Ad Bambusam.
Fungi Rickiani 12936, S. Salvador 1943: Typus.

Epithele typhae (Pers.) Pat. Bull. Soc. Myc. Fr. (1899) 202.
Athelia Typhae Pers., Myc. Europ. 1 (1822) 84.
Resupinata, alba, membranacea, margine fibroso-farinoso, super corticem longe extenso; hymenio setulis ex hyphis fasciculatis, pallidis, 0,5 mm altis, compositis formato. Basidiis longis latisque. Sporis elongato-lanceolatis, 20-30x10 my.
Ad ramum lignosum decorticatum.
Quamquam matrix alia, sine dubio eadem ac in Typha species.
Fungi Rickiani 22919, S. Salvador 1944.

Observatio: Specimen adest praeter setas epitheliales cystidiis peniophoroideis scabris praeditum, quod, si tempus ad describendum superesset, Epitheliellam n. gen. vocarem.
Mycoboniam, Epithelen, Epitheliellam et Hymenochaetes sectionem Velutipes in familiam propriam coniungendas mihi persuasum habeo.

GLOEOCYSTIDIUM Karsten.

Gloeocystidium luteum (Bres.) v. Höhn. et Litsch., Sitzb. k. Akad. Wiss.

Wien, math. naturw. Kl. B. 117, Abt. 1 (1908) 5. — Rick, Broteria 30 (1934) 43.
Corticium luteum Bres. — Saccardo 16, 191.
Effusum, tenue, ceraceum, arcte adnatum, luteolum; margine subfimbriato, albo; hymenio laevi, in sicco late rimoso. Basidiis clavatis, 35-40x4,5-6 my. Sporis hyalinis, oblongis, altero latere subcompresso, 9-12x4,5-6,5 my.
Ad corticem.
In meo specimine sporae 8-10x7-8 my, polygonales; gloeocystidia 40-50x6-9 my, brunneo-flavida.
Fungi Rickiani 13396, Parecí 1935.

Gloeocystidium intermedium (Mass.) Rick. Broteria 30 (1934) 44.
Peniophora intermedia Mass. — Saccardo 9,238.
Late effusum, cortice adnatum, membranaceum, molle, carneo-umbrinum; margine pruinoso, demum obliterato, initio vere fimbriato; setulis obscurioribus, acutis, laxe sparsis; hymenio velutino. Sporis 10-15x6 my, cylindraceis, apiculatis, raro curvulis, hyalinis. Cystidiis cylindrico-fusoideis, 60x15 my.
Ad corticem.
Inter Hymenochaeten Gloeocystidiumque intermedium.
Fungi Rickiani 13388, 13449, S. Leopoldo 1931-1940.

Gloeocystidium aemulans (Karst.) Bres.
Rick, Broteria 30 (1934) 44.
Peniophora aemulans Karst. — Saccardo 9, 239.
Effusum ,coriaceum, tenue, adnatum, margine similari, colore roseo-coriaceo, in vegeto subceraceo; non rimosum; gloeocystidiis cystidiisque flavidulis, variis, 90x10-12 my; cystidiis variis, capitatis, acutis, subflavidulis. 20-65x14-15 my; utraque immersis. Basidiis 35-40x6-7 my, clavatis. Sporis 8-10x3,5-4,5 my, laevibus, hyalinis, altero latere depresso.
Ad corticem.
Cf. Lloydella intermedia Rick, quae tamen mollior.
Fungi Rickiani 13397, 13406, 13443, 13452, S. Leopoldo 1930-1940.

Gloeocystidium livido-coeruleum (Karst.) v. Höhn. et Litsch.
Rick, Broteria 30 (1934) 44.
Corticium livido-coeruleum Karst. — Saccardo 6, 623.
Effusum, coriaceo-cereum, adnatum; hyemenio continuo, laevi, atro-coeruleo, albo — vel flavo-consperso, vetusto cremoricolore. Basidiis clavatis, 7-9 my latis. Gloeocystidiis cylindricis subfusiformibusve, longis, 6-8 my latis, immersis, flavidis. Hyphis conglutinatis. Sporis ellipticis, 5-8x3-4 my, altero latere compressis, altero apice acutatis, laevibus, hyalinis. Massa subhymeniali sub microscopio colore atro-violaceo.
Ad corticem.
Fungi Rickiani 13392, 13453, S. Leopoldo 1931.

Gloeocystidium praetermissum (Karst.) Bres. — Rick, Broteria 30 (1934)
Peniophora praetermissa Karst. — Saccardo 9,240.
Effusum, tenue, membranaceum, adglutinatum; in vegeto velutinum, lividum, postea flavescens; margine demum nudo. Basidiis cylindraceo-clavatis, 80x6-8 my. Sporis ellipsoideis, rectis vel latere leviter depressis, 10-12x5-6 my. Gloeocystidiis elongatis, variis, generatim immersis, fla-

vescentibus, guttam saepe oleosam coloratamque exsudantibus, 70-80x9-10 my.
Fungi Rickiani 13448, 20287, S. Leopoldo 1940. — 20516, S. Salvador 1946.

Gloeocystidium rimosum Rick, Broteria 30 (1946) 45.
Expansum, carneo-molle; siccum detersibile, rimosum, pallidum, sordide stramineum; margine similari. Basidiis 24x15 my, ovalibus. Sporis 12 my, sphaericis, apiculatis. Cystidiis 40x12 my, cylindricis, undulatis, flavo-brunneis.
Ad lignum.
Fungi Rickiani 13387, S. Leopoldo: Typus. — 13384, Sta. Maria 1936. — 13451, S. Leopoldo 1935.

Gloeocystidium molle Rick, Broteria 30 (1934) 46.
Effusum, lanuginosum, membranaceum, hirsutum, grandiniiforme. Basidiis parvis. Cystidiis coloratis, septatis, elongatis, vix acutis, ad septa constrictis, saepe ramosis. Sporis 6-8x3 my, oblique apiculatis, ad basidia valde oblique haerentibus.
Ad lignum.
Non est Gloeocystidium typicum.
Fungi Rickiani 13405, S. Leopoldo 1932: Typus.

Gloeocystidium peroxydatum Rick, Broteria 30 (1934) 46.
Initio album, demum rubro-alutaceum, quasi oxydatum, ad marginem nudum, album, crustaceum; hymenio compacto. Basidiis tenuibus, conglutinatis. Gloeocystidiis cylindricis, obtusis, mediis, pallide coloratis. Parte subhymeniali colorata. Sporis 4-5x3 my.
Ad corticem.
Etiam pallidum, non coloratum; utrum Corticium peroxydatum B. et Br. huc spectet, nescio: Forsan Gloeocystidii porosi (B. et C.) Wakef. varietas.
Fungi Rickiani 13382, 13441, 13450, S. Leopoldo 1932-1939.

Gloeocystidium álutaceo-rubrum Rick, n. sp.
Resupinatum, tenuissimum, membranaceum, subceraceum, margine albo, secus rubro-alutaceum, deinde demum grumosum. Gloeocystidiis brevibus, latis, flavis Contextu colorato. Sporis ovato-sphaericis, apiculatis, 12-15 my, argillaceis.
Ad lignum nudum.
Variat rubro-canum.
Fungi Rickiani 20996, S. Salvador 1944: Typus.

Gloeocystidium mollius Rick, Broteria 34 (1934) 76 (sub G. molle Rick).
Crustosum, immarginatum, irregulare, indeterminatum. Basidiis ovalibus, brevibus, 15x10 my. Gloeocystidiis variis, plerumque lageniformibus, flavis. Sporis sphaericis, 10 my, subhyalinis, subrugosis.
In Lenzite vetusta.

Gloeocystidium luridum (Bres.) v. Höhn. et Litsch., Sitzb. k. Akad. Wiss. Wien, math. naturw. Kl. Abt. 1, vol. 116.
Corticium luridum Bres. — Saccardo 16,191.
Resupinatum, subgelatinosum, sordide vitreum, phlebiiforme, laeve, Gloeocystidiis cylindricis, immersis, flavidulis, usque 10 my latis, tortis. Basidiis longis, dilutis, 10 my latis. Sporis cylindricis, usque 10x7 my.
Ad lignum.

Gloeocystidium cremeum Rick, n. sp.
Irregulariter sparsum, tenue corticioideum, cremeum, margine indeterminato; submembranaceum, laeve. Basidiis conglutinatis, mediis, 8 my latis. Gloeocystidiis longis, vermicularibus, inferne inflatis, hyalinis, massa oleosa plenis, subpiriformibus, 6-12 my latis. Hyphis hyalinis, 4 my latis, laxis. Sporis 15-20x10 my, ellipticis, subacutis, nucleo elongato.
Ad lignum.
Cf. G. tophaceum Bourd., Hym. de Fr. 257.

Gloeocystidium tenui-membranaceum Rick, n. sp.
Resupinatum, tenui-membranaceum; margine hispido-lanoso. Gloeocystidiis ad basin hymenii congestis, guttulis coloratis praeditis, vix suffultis, plerumque sphaericis. Basidiis 40-30x10 my, clavato-cylindricis. Sporis 6-8x3.5-5 my, ovalibus, guttulatis.
Ad lignum.
Colore albo-stramineo.

Gloeocystidium subincarnatum Rick, Broteria 34 (1934) 76.
Cereum, innatum, margine albo-hispido, albo-luteo-carneum, velutinum, rimosum. Basidiis pedicellatis, ovatis, magnis. Gloeocystidiis brunneo-aureis, vermicularibus, 8 my latis. Dendrophysibus sinulosis, delicatis, albis. Sporis 10x8-9 my, hyalinis, laevibus.
Ad lignum.
Dendrophyses G. asterostromellae Rick similes, non tamen oleose incrustatae; in G. asterostromella praeterea gloeocystidia lata, vermicularia deficiunt (probabiliter iam dilutae).
Fungi Rickiani 13383, Sta. Maria 1935: Typus.

Gloeocystidium asterostromella Rick, Broteria 34 (1938) 75.
Resupinatum, submembranaceum, tenue, molle, violaceo-sanguineum; margine initio fimbriato, violaceo. Basidiis longis latisque, primum ovatis, abrupte pedicellatis; fasciculatis. Dendrophysibus longis, spinoso-dendroideis, crusta oleosa, colorata obtectis, epithecium formantibus, coloratis. Sporis hyalinis, ovatis, 15-12 my, involucro hyalino apiculoque obtuso praeditis, laevibus.
Ad corticem.
Crusta sub lamina compressa in nebulam solvitur. Corpuscula oleosa, sphaerica, colorata, 5 my, totam setularum superficiem spinulosam incrustant. Massa haec oleosa e gloeocystidiis iam dilutis constare videtur, qua de causa hanc speciem G. subincarnatum vetustum esse suspicor. Inter Gloeocystidium Asterostromellamque varians.
Fungi Rickiani 13386, Sta. Maria 1935: Typus.

Gloeocystidium clavuligerum v. Höhn. et Litsch., Sitzb. k. Akad. Wiss. Wien, math. naturw. Ab. 1, Band 116, 1603.
Var. **brasiliensis** Rick, n. var.
Resupinatum, innatum, ceraceum, laeve, flavum, mox expallens, aspectu butyri; margine subtiliter albo-arachnoideo, mox evanido. Basidiis longis, clavatis, usque 9 my latis (sec. v. Höhnel minoribus). Gloeocystidiis longissimis, 15 my latis, coloratis hylalinisve, succo plenis, superne acutis (sec. v. Höhnel superne obtusis, non ita longis), ovatis. Sporis 6x3-5 my, subcoloratis.
Ad corticem putridum, membrana admodum tenui.
Fungi Rickiani 13446, S. Salvador 1939: Typus (sub G. butyraceo Rick).

Gloeocystidium ferrugineum, Rick, n. sp.
Alutaceo-ferrugineum, crustosum ceraceum, margine livido, nudo.

Basidiis mediis, apice piriformibus, 10-15 my latis, 4-sterigmaticis. Gloeocystidiis numerosis, vermicularibus, varie longis, luteis, guttis magnis plenis. Sporis 10-12x8 my, cylindricis, non apiculatis.
Ad ramum.
Cf. G. alutaceo-rubrum Rick.
Fungi Rickiani 20949, S. Salvador 1944: Typus. — 22794, S. Salvador 1945.

CORTICIUM Persoon.

Corticium niveum Bres., Ann. Myc. (1904) 99. — Rick, Broteria 30 (1934) 154.
Late effusum, flocculoso-submembranaceum, ambitu subsimilari, niveo, pallide subcremeum, hymenio brevi, in sicco flocculoso-fatiscente. Basidiis clavatis, 24-26x5-6 my. Sporis hyalinis, oblongis, 7-8x3-3,5 my. Hyphis 2,5-4 my, crassis, septato-nodosis.
Ad ligna dura.
Fungi Rickiani 20011, S. Salvador 1943.

Corticium centrifugum (Lév.) Bres., Ann. Myc. (1903) 96. — Rick, Broteria 30 (1934) 154.
Rhizoctonia centrifuga Lév. — Hypochnus centrifugus (Lév.) Tul. — Saccardo 6, 654.
Album, arachnoideum, filamentis ramosis, tenuissimis, orbiculatim expansis. Sporis hyalinis, oblongis, 5-7x3-4 my. Basidiis clavatis, 20-25x5-6 my.
Ad ligna, mucedinem simulans.
Fungi Rickiani, 15555, Parecí 1930.

Corticium arachnoideum Berk. — Saccardo 6,611. — Rick, Broteria 30 (1934) 154.
Effusum, byssinum, tenerrimum, album, ambitu albo-fibrilloso; hymenio tenui, rimoso. Sporis 5-7x4-4,5 my.
Ad lignum.
Fungi Rickiani 15596, S. Leopoldo 1940. — 15559, 15566, 20377, S. Salvador 1943.

Corticium crystalliferum Rick, n. sp.
Album, arachnoideum, submembranaceum, laxe contextum. Basidiis breviter stipitatis, clavatis, 10 my latis. Sporis albis, cylindricis, 9x3-4 my.
Ad lignum putridum.
Hymenium crystallis tenuissimis, acutis, varie longis, 1 my latis plenum.
Fungi Rickiani 15483, S. Leopoldo 1936: Typus.

Corticium calceum Fr. — Saccardo 6, 622.
Effusum, adglutinatum, ceraceum, glaberrimum, album, ambitu similari; hymenio laevi, glabro, sicco rimoso, rigido. Cystidiis paucis, fusiformibus, inferne inflatis. Sporis 8x5 my, depressis.
Cum Peniophora glebulosa (Fr.) Saccardo var. platyspora Bourd. et Galz. identica videtur. Sporae sec. v. Höhnel 7-9x1,5-2,5 my; sec. Bourdot et Galz. 4,5-6x2-3 my.
Fungi Rickiani 17644, S. Leopoldo 1939.

Corticium ochraceum Fr. — Saccardo 6,624. — Rick, Broteria 30 (1934) 155.
Late effusum, adglutinatum, ceraceo-molle, glabratum, ambitu albo, subradiante, mox evanido; hymenio e palido ochraceo, atomis aureo-

micantibus consperso, demum nudo, papilloso, tuberculoso, collapso, rimoso. Basidiis clavatis. Sporis 8x3,5 my.
Ad corticem.
Forsan C. crustaceum (Karst.) v. Höhn. et Litsch. In meo specimine margo est arachnoideus.
Fungi Rickiani 15480, 51508, 15563, S. Leopoldo 1935-1938.

Corticium sublactescens Rick, Broteria 30 (1934) 155.
Effusum, albo-brunneum, crassum, ceraceum; mycelio lanuginoso, albo; hyphis lactiferis, longis. Sporis 8x5 my, subdepressis.
Ad corticem.
Superficies delicate velutina; quamvis habeat vasa lactifera, lac non vidi; quae ut talia interpretavi, forsan sunt gloeocystidia immersa.
Fungi Rickiani 15486, S. Leopoldo 1940. — 20529, 20988, 21033, S. Salvador 1944.

Corticium saccharinum B. et C. — Saccardo 6, 622. — Rick, Broteria 30 (1934) 155.
Effusum, resupinatum, ochraceo-umbrinum; margine pallido, hic illic libero, fimbriato; hymenio subreticulato-rimoso. Basidiis clavatis, 50x8-12 my. Sporis depressis, cylindricis, oblique breviter obtuseque apiculatis, 7-12x8 my.
Ad lignum nudum.
Color in sicco sacchari rubro-flavi, humefactus pallescens. Auctorum diagnosis perfecte quadrat. Cf. C. albo-cremeum v. Höhn. et Litsch.
Fungi Rickiani 15587, 15467, 15617, S. Leopoldo 1933-1940. 15574, Parecí 1935. — 20475, 20453, 15545, 15438, S. Salvador 1943.

Corticium subochraceum Bres. — Saccardo 14, 221. — Rick, Broteria 30 (1934) 155.
Late effusum, tenue, subceraceum, adglutinatum, contiguum, luteo-lurido-ochraceum vel isabellinum; margine initio albo-fimbriato, deinde similari. Basidiis clavatis, 15-20x6 my. Sporis stramineis, ellipsoideis, 6-8x4-4.5 my. Hyphis subhymenialibus conglutinatis, 3-5 my.
Ad corticem.
Fungi Rickiani 15444, 20057, 20828, 22710, S. Salvador 1943-1945. — 15469, 15573, 15589, 15593, Sta. Maria 1936. — 15520, 15542, 15552, 15553, S. Leopoldo 1931. — 15586, Alegrete 1936. — 20057, 20828, 22710, S. Salvador 1943-1945.

Corticium anthochroum (Pers.)
Hypochnus anthochrous (Pers.) Fr. — Saccardo 6,662.
Molle, adhaerens, subiculo albo-gossypino; pellicula hymenea interrupta. Sporis variis, irregularibus, argillaceis, 5-10x5-8 my, angulatis, subsphaericis, cylindricis fusiformibusve, apicibus ambobus vel saltem altero valde protracto.
Ad lignum vivum.
Bourd. et Galz. sub C. aurora Berk.

Corticium ceraceum B. et C.
Rick, An. Myc. 9 (1911) 177, fungi exs. 240; Broteria 30 (1934) 156.
Effusum, ceraceum, laeve, immarginatum, aurantiacum. Basidiis longis latisque. Sporis 10x6 my.
Ad corticem.
Aleurodisco simile. Descriptio sec. Bresadola.
Fungi Rickiani 15536, S. Leopoldo 1905.

Corticium subcoronatum v. Höhn. et Litsch., Sitzb. k. Akad. Wiss. Wien, math. naturw. Kl. Abt. 1, 822. — Rick, Broteria 30 (1934) 156.

Effusum, album, hypochnoideum, tenue, hymenio formato. Basidiis parvis, sterigmatibus brevibus. Sporis 6-8x4 my, hyalinis. Hyphis 4-10 my latis, longis, flexuosis, anastomosantibus, septato-inflatis, crispis, albo-flavidulis.
Ad palmam putridam.
Corticio sero (Sommerf.) Bres. simile.
Fungi Rickiani 15547, S. Leopoldo. — 20214, S. Salvador 1943.

Corticium roridum Speg. — Sacc. 6,617. — Rick, Broteria 30 (1934) 156.
Late effusum, ceraceo-incrustans, tenue, flavescenti-album vel alutaceum, margine attenuatum, repandum, zona fibrillosa fimbriatulosaque latiuscule pallescente albave cinctum; hymenio iuvenili sulphureo-pruinosulo, guttis aquosis minute insperso, plano vel spurie tuberculoso-rugu!oso, in sicco rimoso-secedente. Basidiis longis, 8-10 my latis. Sporis 6-8x5-4 my, hyalinis, subcurvulis.
Ad ramos Citri.
Specimen huc duco crassiusculum, fere merulioideum, cuius statum iuvenilem non vidi; an idem ac C. ochraceum Fries?
Fungi Rickiani 15599, S. Leopoldo 1939.

Corticium tessulatum Cooke — Saccardo 6,619. — Rick, Broteria 30 1934) 156.
Effusum membranaceum, molle, candidum, subtus ambituque laxe albo-fibrillosum; hymenio laevi, glabro, pallide ochraceo, siccitate tessulato-partito. Sporis 5-6x4 my, subirregularibus.
Ad lignum.
Forma videtur C. laevis Pers.
Fungi Rickiani 15441, 15466, 15556, S. Leopoldo 1932-1936. — 15452, Pinhal 1936. 20091, S. Salvador 1943.

Corticium interruptum Berk. — Saccardo 6,618. — Rick, Broteria 30 (1934) 157.
Tenue, ochroleucum, iuvenile sericeum, subtus sericeo-tomentosum, album; hymenio hic illic interrupte ceraceo. Sporis cylindricis, subcurvis, apiculatis, 9x4,5 my.
Ad lignum.
Sec. v. Hohnel et Litschauer — Peniophora gigantea (Fr.) Karsten; meum specimen cystidiis est destitutm.
Fungi Rickiani 15465, S. Leopoldo 1930. — 15616, Sta. Maria 1936. — 22785, S. Salvador 1945.

Corticium laeticolor Karst. - Saccardo 6,636. — Rick, Broteria 30 (1934) 157.
Elongato-effusum, confluens, floccoso-grumosum, adglutinatum, tenue, ochraceum, ambitu similari, raro substriguloso; hymenio arido, laevi, contiguo, flocculoso-pulveraceo, concolore. Sporis oblongis, saepe curvulis, 6-8x3-4 my.
Ad lignum.
Diagnosis quamvis confusa cum meo specimine convenire videtur. Non vera Peniophora, nam quae v. Höhnel cystidia vocat, hyphae sunt elongatae.
Fungi Rickiani 15549, Sta. Maria 1935.

Corticium bombycinum (Sommerf.) Bres.
Rick, Broteria 30 (1934) 157.
Thelephora bombycina Sommerf. — Saccardo 6,656 (Hypochnus serus (Pers.) Fr.)

Late effusum, incrustans, tenue, album, lacteum, recens carnosum, pruinosum, deinde in sicco flocculosum, fatiscens, papillis rotundis, congestis. Sporis ovato-ellipticis, 11x7-8 my, subhyalinis.
Ad corticem.
Fungi Rickiani 15448, 20363, 20422, S. Salvador 1943.

Corticium frustulosum Bres., Ann. Myc. 1 (1903) 98. — Rick, Broteria 30 (1934) 158.
Late effusum, flocculoso-submembranaceum, molle, ambitu initio pruinoso, ex albo luride alutaceo; subumbrinum; hymenio initio pruinato, minute rimoso. Sporis hyalinis, subglobosis, 7-10x7-8 my. Hyphis praecipuis usque 10 my latis, fuscidulis.
Ad corticem.
Fungi Rickiani 15460, Sta. Maria 1936. — 15497, 15522, S. Leopoldo 1931.

Corticium polyporoideum B. et C. — Saccardo 6,618.
Subiculo tomentoso, candido, marginem angustum formante; hymenio pulverulento, pallide alutaceo. Basidiis circa 30x7,5-9 my. Sporis ellipsoideis vel obovatis, leviter echinulatis, lutescentibus, 7-8x5-6 my. Hyphis subhymenialibus distinctis, hyalinis, 2-3 my crassis, ad septa unilateraliter nodosis.
Species a Malme in RGS lecta (Romell, Bihang till S. Vet. Akd Handl. Afd. 3, n. 16 (1901) 41).

Corticium paradoxum Rick, n. sp.
Resupinatum, laxe adnatum, membranaceum, album, margine similari. Basidiis piriformibus, 20x15 my. Sporis argillaceis, humidis 12x5-6 my, paradoxis: limoniformibus irregularibusve, altero apice translucido, altero opaco, farcto; siccis polygonalibus, triangularibus, limoniformibus, incrustatis.
Ad corticem.
Cf. C. juncicolum Bourd.
Fungi Rickiani 20127, S. Salvador 1943: Typus.

Corticium simile B. et C — Saccardo 6,631. — Rick, Broteria 30 (1934) 158.
Effusum, pallidum (meum specimen livido-coeruleum), immarginatum, sinuato-rimosum, glabrum, intus brunneum, crusta flava insidens.
Sporis 5-8x3-4 my.
Ad corticem.
Crusta flava subhymeniali notabile; a specie Berkeleyana colore aberrat.
Fungi Rickiani 15577, S. Leopoldo 1936.

Corticium crustaceum (Karst.) v. Höhn. et Litsch.
Xerocarpus crustaceus Karst. — Saccardo 14,215.
Tenue, membranaceo-crustaceum, subceraceum, vitreum, margine similari. Basidiis mediis, clavatis, 12 my latis; sterigmatibus sulcatis, usque 6 my longis. Sporis late ellipticis, 4-7x3-5 my. Hyphis hyalinis, 2 my latis.
Ad lignum Eucalypti.
Sporae in meo specimine maiores.
Fungi Rickiani 22550, S. Salvador 1944.

Corticium Berkeleyanum Ces. — Saccardo 6, 634. — Rick, Broteria 30 (1934) 158.
Crusta effusa, indeterminata, ex helvolo luteola, superficie aequabili, a matrice non solubilis. Sporis 3x2,5 my.

Ad corticem.
Fungi Rickiani 15472, 15456, 15485, 15571, S. Leopoldo 1930-1932. — 15512, Parecí 1930.

Corticium armeniacum Sacc. — Saccardo 6.637. — Rick, Broteria 30 (1934) 158.
Resupinatum, immarginatum, armeniacum, subiculo pallidiore, glaberrimum, nitidum, in sicco rimosum. Sporis hyalinis, 3x2 my.
Ad corticem.
Fungi Rickiani 15505, S. Leopoldo 1931.

Corticium lacteum Fr. — Saccardo 6,610. — Rick. Ann. Myc. 4 (1906) 310, fungi exs. 59; Broteria 30 (1934) 159.
Effusum, membranaceum, lacteum, subtus ambituque laxe fibrillosum; hymenio ceraceo, saturatiore, siccitate rimoso-partito. Basidiis cylindraceo-clavatis, hyalinis, 20x5 my. Sporis ovoideis, sursum obtusis, basi acutis, granuloso-farctis, hyalinis, 5-6x3-4 my.
Ad corticem.
Sec. Bresadola specimen brasiliense non est totum album, sed flavescens, contextum habens compactiorem hyphasque latiores.
Fungi Rickiani 15442, 15443, 15446, 15560, 20184, 20184, 20333, 22653, 22859, 22956, 22975, S. Salvador 1943-1944. — 15449, 15491, 15499, 15506, 15545, 15551, 15562, 15569, S. Leopoldo 1930-1931.

Corticium triviale Speg. — Saccardo 6.635. — Rick, Broteria 30 (1934) 159.
Crassiuscule membranaceum, planum, late effusum, matrici laxe adnatum, laeve spurieve tuberculato-undulatum; margine vix attenuato, determinato, non tamen reflexo; repandulum, lobatum, subtus intusque album; hymenio carneo aurantiacove, iuvenili subpruinoso et mucedineo-ceraceo, sicco tenacello, non rimoso, ambitu vix hinc inde contracto. Sporis 4x3 my, luteolis, membrana translucida.
Ad corticem.
Color est chromo-carneus, in sicco albus; mycelium in pagina corticis inferiore himantioideum, album.
Fungi Rickiani 20709, S. Salvador 1943.

Corticium citrinellum B. et C. — Saccardo 6, 616. — Rick, Broteria 30 (1934) 159.
Orbiculare, resupinatum, citrinum; margine tenuissimo, pulveraceo-arachnoideo; hymenio granulato, pulverulento, grandiniiformi. Sporis 4-5x3 my, in roseolum vergentibus, lateraliter vacuolatis.
Ad ramum siccum.
Fungi Rickiani, 15496, 15440, 15558, S. Leopoldo 1931. — 22780, S. Salvador 1943.

Corticium juniperinum Fr. — Saccardo 6,607. — Rick, Broteria 30 (1934) 160.
Subcoriaceum, stereiforme, tenax, centro adnatum; margine tenui, ubique reflexo, pubescente, pallido; hymenio rugoso-tuberculato, carneo-cinereo. Sporis 5x4 my, altero latere depresso.
Ad corticem.
Colore olivaceo-carneo; in sicco hymenio alutaceo-carneo, rimoso, a strato subhymeniali stramineo separato.
Fungi Rickiani 15539, S. Leopoldo.

Corticium ochthodes B. et C. — Saccardo 6,622.
Effusum, resupinatum, umbrino-flavum; margine crenato, subtomentoso; hymenio colliculoso.

Mea descriptio: Margine albo-villoso; hymenio initio laevi, sordide flavo dein viridi-olivaceo, demum umbrino-fulvo, fere atro; consistentia ceracea; superficie valde colliculosa, fere stalactitia, cerebriformi. Basidiis longis, clavatis. Sporis 5x4 my, albis.
Ad corticem.
Bona, sed rara species.
Fungi Rickiani 15489, Sta. Maria 1933. — 15519, 15525, 15602, S. Leopoldo 1932-1933.

Corticium leve Pers. — Saccardo 6,611. — Rick, Broteria 30 (1934) 160.
Effusum, membranaceum, secedens, subtus villosum, ambitu byssino non radiante; hymenio laevi, glabro, subcarneo lividove. Sporis obovatis, 6x3 my.
Ad corticem.
Sporis secundum Bourdot et Galz. 7-12x4,5.
A C. lacteo Fr. sporis numquam piriformibus distinctum; ceterum multicolor ansam praebet magnae confusionis; sporas varie varii describunt auctores, in quibus Karsten notas habet generatim falsas.
Fungi Rickiani 15492, 15502, S. Leopoldo 1930. — 15533, Parecí 1933.

Corticium rimosissimum B. et C. — Saccardo 6.639. — Rick, Broteria 30 (1934) 160.
Effusum, resupinatum, cinnamomeum, a matrice separabile, rimosissimum, centextu rufo-albo. Sporis 4-5x2,5 my.
Ad lignum.
Fungi Rickiani 22928, Sta. Maria 1935.

Corticium lividum Pers. — Saccardo 6.623. — Rick Broteria 30 (1934) 161.
Effusum, adglutinatum, ceraceo-molle, glabratum, versicolor, ambitu similari; hymenio laevi, nudo, subviscido, rimoso. Sporis 3-5x2 my.
Ad lignum nudum.
Colore livido-carneo. Cf. C. subseriale Bourd. et C. umbratum Bourd.
Fungi Rickiani 15477, 15523, 15534, S. Leopoldo 1931.

Corticium chlorinum B. et C. — Saccardo 6,636. — Rick, Broteria 30 (1934) 161.
Tenue, fragile, olivaceum, demum granulatum, membranaceum, laxe adhaerens, ambitu albo-membranaceo; initio olivaceum, demum chlorinum (brunneo-rubro-flavum), pulverulentum. Sporis 5x2.5 my, cylindricis.
Ad plantam scandentem.
Non dubito quin specimina mea ad hanc speciem pertineant; quamvis enim stereiformia, ut Corticium verum, non rimosum, colore ab omnibus aliis distinctum, facile dinstinguuntur.
Cf. Odontia stalagmodes B. et C.
Fungi Rickiani 15513, Parecí 1935.

Corticium cremoricolor B. et C. — Saccardo 6, 615. — Rick, Broteria 30 (1934) 161.
Mycelio albo, innato; hymenio immarginato, rimoso-areolato, hinc inde papillato, cremoricolore.
Ad lignum nudum.
Margine delicate albo, byssino, mox evanido; sporis 5-6x3,5-4 my, subcoloratis; colore in vegeto flavo-alutaceo; consistentia cerea. A C. duritie cerea, hymenio colliculoso, colore pallidiore distinctum.
Fungi Rickiani 14606, 15490, Sta. Maria 1936. — 15162, Jacuí 1936. — 15459, 15557, S. Leopoldo 1931-1939. — 20175, 20599, 20973, 21043, 22617, S. Salvador 1943-1944.

Corticium maiusculum Speg. — Saccardo 6,608. — Rick, Broteria 30 (1934) 161.
Initio suborbiculare; coriaceum; scutate adnatum, densiuscule gregarium; deinde confluens; hymenio in vivo tenui, sordide albo.
Ad ramos siccos.
Stereo frustuloso (Pers.) Fr. simile, crassius tamen coloreque albo; sporis 4,5x3 my. Cf. Stereum sparsum Berk.
Fungi Rickiani 15476, S. Leopoldo 1931. — 22614, S. Salvador 1944.

Corticium tuberculosum (Fr.) Rick, Broteria 30, (1934) 162.
Stereum tuberculosum Fr. — Saccardo 6,586.
Tuberculosum, late effusum, indeterminatum, arcte adnatum, glabrum, nudum, pallescens; tuberculis difformibus, confertissimis, papillatis. Sporis hyalinis, subsphaericis cylindricisve, 4x2,5 my.
Fungi Rickiani 15515, S. Leopoldo 1930. — 15565, S. Salvador 1942.

Corticium sulphureum Fr. — Saccardo 6,612. — Rick, Broteria 30 (1934) 162.
Effusum, fibrilloso-byssinum, laete sulphureum; hymenio crasso. Sporis sphaericis, hyalinis, asperis. Basidiis clavatis, 16-20x6-7 my. Hymenio ceraceo-molli, sicco rimoso.
Ad corticem.
Cave ne cum Stereo sulphureo Rick confundas.
Fungi Rickiani 15532, 15576, S. Leopoldo 1939.

Corticium colliculosum B. et C. — Saccardo 6,618. — Rick, Broteria 30 (1934) 163.
Tenue, adnatum, mycelio albo; hymenio laete ochroleuco, papillato granulatoque, glabro. Sporis 3-4x3 my.
Ad lignum.
Margine albo-byssino, secus membranaceum.
Fungi Rickiani 22883, S. Salvador 1945.

Corticium griseo-canum Bres. – Saccardo 16, 192. — Rick, Broteria 30 (1934) 163.
Effusum, arcte adnatum, aridum, griseo-lilacinum, canescens, margine similari; hymenio laevi, siccitate rimoso. Basidiis clavatis, 35-40x9-10 my. Sporis hyalinis, subglobosis, 10-13x9-11 my.
Ad corticem.
Forsan Peniophora.
Fungi Rickiani 15579, S. Leopoldo 1940.

Corticium olivascens B. et C. — Saccardo 6,619. — Rick, Broteria 30 (1934) 163.
Subiculo albo-flocoso, fibrillas hic illic emittente; hymenio pulverulento, olivaceo-luteo; margine hic illic albo-cincto.
Ad corticem.
Descriptio haec macroscopica perfecte quadrat; sporis sphaericis, hyalinis, 6-7 my latis.
Fungi Rickiani 15425, 15454, Parecí 1930. — 15572, 15619, Montenegro 1938. — 15473, S. Leopoldo 1939. — 22718, S. Salvador 1945.

Corticium byssinum Karst. — Saccardo 6, 614. — Rick, Broteria 30 (1934) 163.
Niveum, effusum, byssinum, laxe adhaerens, mollissimum, ambitu arachnoideum; hymenio membranaceo, tenuissimo, fragili, laevi. Sporis sphaericis, 3 my.

Ad ligna.
Cf. C. molliforme Bord.
Fungi Rickiani 15598, Sto. Amaro 1935. — 15604, S. Leopoldo 1936. — 22648, S Salvador 1944.

Corticium Rickii Bres. — Saccardo 14, 223. — Rick, Broteria 30 (1934) 163.
Effusum,subrotundum vel polygonale, saepe confluens, membranaceo-molle; margine initio subfimbriato, deinde sublibero similarique; ex albo cremeum, exsiccando candicans; hymenio laevi rimosoque. Sporis globosis, 7,5-9x7,5-8 my, crasse apiculatis. Basidiis clavatis, 30-35x9-10 my. Hyphis parcis, conglutinatis, parum distinctis.
Ad corticem.
Sporis sphaericis in meo specimine paulo minoribus; mollitie a C. confluente Fr. distinctum.
Fungi Rickiani 15474, Sta. Maria 1936. — 21164, S. Salvador 1945.

Corticium confluens Fr. — Saccardo 6,626. — Rick. Broteria 30 (1934) 164.
Orbiculare, adglutinatum immarginatum, primitus subfimbriatum, album, deinde glabrescens; hymenio ceraceo rigescente, laevi, rarissime rimoso, livido-caesio, sicco flavescente, subnudo. Sporis sphaeroideis, dilutissime lutescentibus, 7-9x6-8 my.
Ad corticem.
Valde versicolor, album, olivaceum, flavum, saepe in oedem specimine.
Cf. C. vellereum Ell. et Cragin.
Var. **angulata** Rick, n. var.
Sporis maioribus, angulatis.
Fungi Rickiani (sine varietatis distinctione) 15592, 15617, Parecí 1935. — 20126, S Salvador 1945.

Corticium atro-virens Fr. — Saccardo 6,614. — Rick, Broteria 30 (134) 164.
Irregulariter effusum, atro-virens, subtus ambituque tomentosum, concolor; hymenio atro-violaceo, in sicco fere evanido. Sporis hyalinis, 3 my diametro. Basidiis clavatis, 15-20x4 my. Hyphis septato-nodosis, 2-3 my, incrustatis.
Ad lignum.
Fungi Rickiani 15470, S. Leopoldo 1933.

BOTRYOBASIDIUM Rick, n. genus.

Hypochnoideum, basidiis botryose ex hypha basali divergentibus.

Botryobasidium pteridophytorum Rick, n. sp.
Resupinatum, tenuissimum, membranaceo-mucedineum, albo-caesium; hyphis 8 my latis, varie tortis, nodosis, hyalinis. Basidiis mediis, cylindricis, usque 16x12 my, bisporis. Sporis albis, ovatis, subamygdaliformibus, apiculatis, nucleatis, 10x8-9 my.
Ad Pteridis caules.
Inter Corticium Hypochnumque intermedium. Cf. Corticium vagum B. et Br., Saccardo 6,616; Bourdot et Galz. Hym. de Fr. (1927) 242.
Fungi Rickiani 20431, S. Salvador 1943: Typus.

Botryobasidium tenue Rick, n. sp.
Resupinatum, album, hypochnoideum, margine indeterminato. Basidiis clavatis, stipite longo, botryose connexis. Sporis hyalinis, 10-12x3 my,

fusiformibus, in pulvere in glomerulos unitis. Hymenio cinereo-albo, granuliformi, ceraceo, vix formato.
Ad corticem.
Natura botryobasidialis in sporarum pulvere glomerulose unito evidens.

Botryobasidium rude Rick, n. sp.
Resupinatum, duriusculum, ex albo stramineum, rugulosum, albo-pruinosum, margine fimbriato; basidiis botryosis, mediis, clavatis, 8 my latis; cystidiis mediis, hyalinis, laevibus, lageniformibus, medio 10 my latis. Sporis subhyalinis, subpolygonalibus, 6-7x4-5 my.
Ad corticem Eucalypti.

CEROCORTICIUM Rick, Broteria 30 (1934) 169.

Sicut Corticium, sed subiculo gelatinoso.

Cerocorticium albissimum Rick, Broteria 30 (1934) 169.
Humidum gelatinosum, effusum, laxe contextum, albissimum, laeve, hyphis 8 my latis; siccum velutinum, aridum, margine similari. Basidiis clavatis, bisporis. Sporis 4-7x3-4 my, hyalinis. Cystidiis raris.
Ad Bambusam siccam.
Fungi Rickiani, 12824, S. Leopoldo 1932.

TULASNELLA Schröter.

Tulasnella livido-grisea, Rick, Broteria 30 (1934) 169.
Effusa, tenuissima, ceracea, margine furfuraceo, initio alba, dein livido-grisea, setulosa, velutina, nuda demum lutescensque. Basidiis subsphaericis, raro spurie septatis, usque 20 my diametro. Sporis 8-12x7-9 my, hyalinis.
Ad corticem.
Fungi Rickiani 15063, Pareci 1935: Typus.

Tulasnella vitrea Rick, Broteria 30 (1934) 169.
Effusa, gelatinosa, delicata, nodulosa, laevis, margine nudo. Basidiis longe pedicellatis, septatis, pluristerigmatosis. Sporis albis, 7x5 my.
Ad lignum.
Tremellae convolutionum initia habet; basidia tamen plus quam 4 sterigmata gerunt. Propter basidia septata Exidiopsidem potius dicerem.

Tulasnella metallica Rick, Broteria 30 (1934) 169.
Effusa, indeterminata, subgelatinosa, violacea, metallica. Basidiis clavatis, numerosis; sterigmatibus longis, ita ut hymenii superficies hirsuta appareat. Sporis 9x7 my, apiculatis.
Ad Corticem.
Fungi Rickiani 15062, S. Leopoldo 1939.

CERATOBASIDIUM Rogers.

Ceratobasidium atratum (Bres.) Rogers, Lloydia 4 (1941) 263.
Corticium atratum Bres., Hedw. 35 (1896) 290.
Late effusum, adnatum, membranaceo-cereum, demum late rimosum, sub lente subpruinatum, ex atro murinum; margine similari. Sporis hyalinis, obovato-elongatis, 8-10x4-5,5 my. Hyphis subhymenialibus conglutinatis, septato-nodulosis, 4-5 my.

Ad lignum.
Basidiis subsphaericis, botryose conexis, 12-15x9-12 my; sterigmatibus crassis, bene curvulis. In fungo vegeto sterigmatum apices ex hymenio prostant visibiles.
Fungi Rickiani 12857, S. Salvador 1942. — 22270, S. Leopoldo 1932.

Ceratobasidium incrustans Rick, n. sp.
Initio plagulis constans resupinatis, arachnoideis, separatis, deinde confluentibus, ceraceis, laxe unitis, incrustantibus; hymenio rugoso-noduloso, sordide cremeo. Basidiis mediis, piriformibus, usque 20x10 my, in stipitis insertione pseudoseptatis, incrassatis; sterigmatibus magnis. Sporis 15x8 my, cylindricis, lateraliter apiculatis.
Ad corticem.

Ceratobasidium album Rick, Lilloa 9 (1943) 219.
Resupinatum, tenerum, album, margine farinaceo, demum laeve. Basidiis pedicellatis, 40-50x20 my, cylindricis; sterigmatibus validis, curvis. Sporis cylindraceo-fusiformibus, 18 my, humidis cylindrico-ovatis. Cystidiis paucis, laevibus, longissimis, 4,5 my latis, cylindricis, prostantibus.
Ad lignum.

Ceratobasiium striisporum Rick, Lilloa 9 (1943) 219.
Resupinatum, valde delicate crustaceum, margine nullo, sericeum, plumbeo-chalybaeum, aliquid luteum, tenuissime conspersum. Basidiis 40-50x12 my, superne septo a stipite separatis, 4-sterigmaticis.
Sterigmatibus magnis, crassis, rectis curvisve, mox dilutis. Sporis ovalibus, 10x10 my, in sicco striatis, in humido asperulis, subcoloratis, granuloso-farctis.
Ad lignum admodum putridum.
Fungi Rickiani 12849, S. Salvador 1943: Typus.

PENIOPHORA Cooke.

Nota editoris: Rick in manuscripto: Peniophora; Rick in litteratura semper Kneiffia; hinc forsan errores in nomenclatura.

Peniophora cremea (Bres.) Sacc. — Saccardo 16, 195. — Rick, Broteria 30 (1934) 48.
Late, effusa, adnata, e tomentoso-membranceo-mollis, ambitu furfuraceo-fibrilloso, ex albo cremea; hymenio velutino, hinc inde tuberculoso, siccitate late rimoso. Basidiis clavatis, 20-25x5-6 my. Cystidiis fusoideis, laevibus, 90-90x7-9 my. Sporis hyalinis, oblongis, altero latere subcompresso, 6-8x3-4 my.
Ad corticem.
Fungi Rickiani 1690, Parecí 1930. — 16795, S. Leopoldo 1940. — 20419, S. Salvador 1943.

Peniophora Frangulae (Bres.) — Saccardo 17, 177, sub Kneiffia.
Var. **chlorina** Rick, Broteria 30 (1934) 48.
Livido-viridis, demum olivacea, longe extensa, crassa, setulosa, sicca rimosa, margine albo-membranaceo, ceterum crustacea, contextu stupposo. Sporis 7-8x4 my. Cystidiis 30-45x5-4 my.
Ad corticem frequens.
Fungi Rickiani 20505, S. Salvador 1945.

Peniophora subsulphurea (Karst.) v. Höhn. et Litsch., Sitzb. k. Akad. Wiss. Wien. math. nat. Kl. 115 (1906) Abt. 1, 1592. — Rick, Broteria 30 (1934) 48.
Elongato-effusa, adglutinata, subgrumoso-indurata, immarginata, subsulphurea; hymenio laevi, sicco minutissime rimoso, nudo. Sporis hyalinis stramineisve, cylindraceo-subcurvulis, 7-9x2-3 my (in typo 4-6x2-2,5). Basidiis clavatis, 20-25x5-6 my. Cystidiis raris, subfusoideo-cuspidatis, saepe sinulosis, superne laxe granuloso-scabris.
Ad lignum Araucariae.
Odontiae subsulphureae videtur identica.
Fungi Rickiani 16794, S. Leopoldo 1930.

Peniophora farinosa (Bres.) — Ann. Myc. 1 (1903) 105, sub Kneiffia. Var. **atypica** Rick, Broteria 30 (1934) 66.
Late effusa, e farinoso submembranacea, membranula tenui laxe contecta; demum separabili, ambitu pruinato, ex albo cremea; hymenium sublaeve, furfurellum. Sporis hyalinis, subglobosis subellipticisve, 7-11x5-7 my. Basidiis clavatis, 30-35x7-8 my. Cystidiis subcylindricis, apice obtuso, subattenuato, crasse tunicatis, granuloso-incrustatis, glabrescentibus, 75-90x7-12 my.
Ad corticem.
In varietate margo potius flocculosus; sporis 8-10x7-8 my, aut etiam 7 my, sphaericis.
Fungi Rickiani 16750, 16767, 16898, Pareci 1935. — 20151, 20488, 20900, S. Salvador 1945.

Peniophora longispora (Pat.) Bres. — Saccardo 11, 130, sub Hypochnus. Rick, Broteria 30 (1934) 66.
Tenuissima, mucedinea, expansa; hyphis hyalinis, noduloso-septatis, 2-3 my diametro. Basidiis fasciculatis, 30-32x5-6 my; cystidiis subulatis, laxe granuloso-incrustatis 70-90x3-4,5 my. Sporis hyalinis, 12-15x2,5 my, vermicularibus.
Ad ligna putrida frequens.
Semel hanc speciem versus terram spectantem inveni, velo perfecto tectam, quo remoto hymenium genuinum apparuit, ita ut Agaricaceae in Corticium reductae non absimilis esset. Simile factum Möller in Schizophylli comunis cultura observavit.
Fungi Rickiani 16732, 16841, 16885, 16727, 16739, 16818, 16710, 16750, 16832, 16918, 16931, S. Leopoldo 1930-1940. — 16729, 16771, 16816, Parecí 1930-1935. — 16921, 20696, S. Salvador 1942-1944.
Var. **macrospora** Rick, n. var.
Late effusa, compactior, sporis strictis, ultra 20 my longis, 2 my latis.
Fungi Rickiani 16920, S. Salvador 1942.

Peniophora gemmea Rogers, Lloydia 7.
Tenuis, pallide lilaceo-vel ochraceo-grisea, sub lente subtiliter medullosa, minutissime guttifera; hyphis zygodesmatibus praeditis, 2,5-5 my diametro; cystidiis tenuiter tunicatis, longe emergentibus, obtusis, subulatis, 70-90x2 my, ad basin ventricosis, ad 4 my.
Basidiis ventricosis, 15-20x5 5-6 my, 4-sterigmaticis. Sporis oblongis, apiculatis, 6-8x4,5 my.
Ad lignum.
Cf. Corticium gemmiferum Bourd.
Fungi Rickiani 22753, S. Salvador 1944.

Peniophora clavigera (Bres.), Ann. Myc. 1 (1903) 103, sub Kneiffia. Var. **livida** Rick, Broteria 30 (1934) 616.
Resupinata, tenerrima, arcte adnata, livido-terrea, ceracea; margine

albo-fimbriato, tenerrimo; setulosa. Cystidiis conicis, grosse asperis. Sporis 9-10x6-8 my, ovalibus, hyalinis, apiculatis.
Ad corticem.
Grisea, margine albo; utrum vere ad hanc speciem ducenda dubium.
Fungi Rickiani 16902, S. Salvador 1942.

Peniophora sordidissima (Rick) Rick, n. comb.
Kneiffia sordidissima Rick, Broteria 30 (1934) 67.
Effusa, innata, tenuis, immarginata, in vegeto vitrea, dein sordide grisea, setulosa. Basidiis ovatis. Sporis obovatis, 7-11x8-9 my, obtuse apiculatis, hyalinis, subpiriformibus.
Ad lignum in latere ad humum verso.
Lloydellae formis resupinatis similis, tenuior tamen sporisque alia.
Fungi Rickiani 16917, S. Leopoldo 1931: Typus.

Peniophora gigantea (Fries). Saccardo 6, 610 sub Corticium.
Rick, Broteria 5 (1906) 10; Broteria 30 (1934) 67.
Late effusa, uda tumens, ceracea, hyalino-alba, sicca cartilaginea, papyracea, libera, lactea, ambitu strigoso-radiato; hymenio laevi; cystidiis fusoideis, furfuraceo-incrustatis, 54-100x8-15 my. Basidiis clavatis, 30-35x5-6 my. Sporis hyalinis 6-8x3-3 5 my.
Ad lignum siccum.
Cf. Odontia corticioides Rick, et Merulius subambiguus P. Henn.
Fungi Rickiani 16708, 16719, 16785, 16812, 16908, Parecí 1935.

Peniophora subcarneola Rick, n. sp.
Resupinata, carneola, crassiuscula, crustacea, margine indeterminato, e livido carnea. Basidiis clavatis, magnis, sterigmatibus longis, curvis. Cystidiis lanceolatis, rugosis, mediis, stipitatis, numerosis.
Sporis 18x8 my. Hyphis arcte contextis. Sicca late rimosa.
Ad ramum.
Ceratobasidii albi Rick videtur varietas.

Peniophora candidissima (Berk. et Rav.)
Rick. Broteria 30 (1934) 68.
Kneiffia candidissima Berk. et Rav. — Saccardo 6, 511.
Candidissima, mollis, initio corticioides, granulis demum frequentibus, apiculatis sparsa; cystidiis 80-10x18-25 my. Sporis 15-20x10 my, lateraliter apiculatis, limoniformibus.
Ad corticem.
Auctorum descripito perfecte quadrat, hymenium tamen saepe isabellinum. Cf. Peniophora gigaspora Mass. et Mont. Invenitur etiam sine cystidiis.
Fungi Rickiani 16722, 16840, 16852, 16870, S. Leopoldo 1932. — 16809, 16930, Sta. Maria 1936. — 20449, 21824, 21825, S. Salvador 1945.

Peniophora disparens Rick, n. sp.
Crustacea, pure alba, farinacea, tenuis, venulosa, margine minutissime fimbriato. Basidiis brevibus, clavatis, cystidiis cylindricis, 48 my longis, grosse botryose crystalliferis, crystallis mox deciduis, hypha crystallifera delicata; hyphis 3 my, hyalinis. Sporis 8x3-4 my, cylindricis.
In sicco nihil cystidiorum adest nisi crystalla dispersa.
Ad corticem.

Peniophora Wrightii (B. et C.)
Rick. Broteria 30 (1934) 68.
Kneiffia Wrigthii B. et C. — Saccardo 6, 511.

Effusa, tenuis, citrino-fulva; margine angusto, pallidiore, farinaceo; granulis apice evidenter setulosis; cystidiis brevibus, 30-40x10 my, apiculatis, ellipticis.
Ad corticem.
Colore vegeto a P. costata Rick distincta. Granuli vix adsunt, hymenium autem velutinum; hinc determinatio dubia, quamvis cetera quadrent.
Fungi Rickiani 16810, 16899, S. Leopoldo 1939.

Peniophora occidentalis Ell. et Ev. — Saccardo 14,224. — Rick, Broteria 30 (1934) 68.
Effusa, ceracea, margine albo-strigoso; hymenio primo cinereo-violaceo, deinde pallide cremeo, velutino, farinoso. Basidiis clavatis. Cystidiis longis, 80x15-20 my, raris, lageniformibus, medio exasperatis, secus laevibus. Sporis 8-15x5-6 my, cylindricis.
Ad corticem.
P. longisporae similis, colore tamen, margine strigoso, sporisque diversas.
Cf. P. nuda (Fr.) Bres.
Color hymenii perfecte albo-cremeus, plagulis tamen cinereo-violaceis intermixtis.
Fungi Rickiani 16742, S. Leopoldo 1923. — 16755, 16775, 16790, 16916, Sta. Maria 1935. — 20172, 22705, S. Salvador 1943-1944.

Peniophora costata Rick, Broteria 30 (1934) 69.
Effusa, tenuis, citrino-fulva; margine-angusto, pallidiore, farinaceo, granulis apice evidenter setulosis; aquosa, sordida ceraceaque; sicca rimosa; granulis concoloribus, hinc illinc sparse iunctis. Sporis 8x3-4 my, costatis.
Non est Lloydela striispora, quamvis cystidiis maximis, fusiformibus, 50-100x10-15 my, incrustatis gaudeat, quia ceracea siccaque rimosa. Basidiis brevibus, clavatis, Exsiccando fulva, iuvenilis sat pallida.
Fungi Rickiani 16980, S. Leopoldo 1931.

Peniophora fulva (B. et C.)
Rick, Broteria 30 (1934) 69.
Kneiffia fulva B. et C. — Saccardo 6,512.
Ferugineo-fulva, effusa, margine hispido, granulis minutis, setulis tandem obliteratis; margine albo-hirsuto. Sporis ovalibus, 6-8x5-7 my.
Ad lignum.
Quamvis dubia non omnino excuti possint, specimina mea tamen huic speciei convenire videntur.
Fungi Rickiani 16896, 16827, S. Leopoldo 1931. — 16778, Parecí 1935.

Peniophora rudior Rick, Broteria 30 (1934) 69.
Effusa, innata, in sicco sordide griseo-cremea, vegeta livida, rudis, immarginata, indeterminate ambiens. Basidiis linearibus. Sporis 4x4 my, altero latere saepe depresso, hyalinis. Cystidiis crassis, versus apicem attenuatis, acuatis, scabrosis, longe prominentibus, sparsis.
Ad ramum siccum.
Fungi Rickiani 16928, S. Leopoldo 1932. — 16777, Sta. Maria 1935.

Peniophora setigera (Fr.)
Kneiffia setigera Fr. — Saccardo 6,510.
Var. **trachytricha** Rick, Broteria 30 (1934) 70.
Tenuis, e lactea luteola, effusa, mollis; superficie primo minute granulosa, demum floccose tuberculosa; margine tenui, granuloso-gossypino. Basidiis clavato-cylindricis, 12-15x3,5-4,5 my. Sporis oblongis, obtusis, 7-8x3-3,5 my, hyalinis. Cystidiis subcylindricis, dense asperis,

10-120x10-12 my.
Ad corticem.
Fungi Rickiani 16856, S. Leopoldo 1933.
Var. **jonquillea** Rick, Broteria 30 (1934) 70.
Alba, mollis, setulis rigidis, aequalibus, albo-hyalinis. Forma omnino consueta Corticiorum; resupinata, late effusa, ceraceo-membranacea, ambitu pruinato, primitus alba, deinde alutaceo-crustulina; hymenio generatim laevi, rarius tuberculoso, demum rimoso, cystidiis velutino-exasperatis. Sporis hyalinis, cylindraceis, subcompressis, 10-15x4-4,5 my. Basidiis clavatis, tetrasporis, 30-35x6-7 my. Cystidiis sparsis, cylindraceis fusoideisve, tenuiter tunicatis, tuberculoso-furfuraceo-incrustatis, interdum septatis et ad septa nodosis, 120-180x8-12 my; hyphis contextus 4-6 my latis.
Varietas jonquillea sporis 6-8x4 my praedita est, cystidiisque in filamento demum tenuibus, ramificatis excrescentibus.
Fungi Rickiani 16878, S. Leopoldo 1932.

Peniophora plumbea (Fr.)
Rick, Broteria 30 (1934) 70.
Corticium plumbeum Fr. — Saccardo 6,624.
Interrupte effusa, arcte adnata, immarginata, chalybaea, in sicco rimosissima, nuda. Sporis hyalinis, cylindraceo-curvulis, 9-11x3-4 my. Basidiis clavatis, 30-32x6-7 my. Cystidiis parum elevatis, tunicatis, fusoideis, 36-40x7-10 my.
Ad ramos palmarum.
Quamvis Fries laevigatam dicat, est Peniophora, subsetulosa. Meum specimen unum sporis gaudet 10-16x4-5 my.
Fungi Rickiani 16730, S. Leopoldo 1930.

Peniophora polonensis (Bres.)
Rick, Broteria 30 (1934) 71.
Kneiffia polonensis Bres., Ann. Myc. 1 (1903) 103.
Late effusa, tomentosa, ambitu similari, nivea, demum cremea; hymenio scruposo, velutino. Sporis hyalinis, oblongis, 6-9x4-5 my. Basidiis clavatis, 30-35-35x6-7 my. Cystidiis subcylindraceis, tenuiter tunicatis, parte prominula granuloso-incrustata, septata, 200-350x8-9 my.
Fungi Rickiani 16893, 16850, 16728, 16716, 16808, 16815, 16825, 16884, 16910, S. Leopoldo 1931-1936. — 16800, 16789, Parecí 1931-1935. — 16900, 16912, 20665, 20811, 20943, S. Salvador 1943.

Peniophora cinerea (Fr.) Cooke. Saccardo 6,643 — Rick, Broteria 30 (1934) 71.
E ceraceo rigescens, confluens, adglutinata, lurida, ambitu similari; hymenio pruina cinerea, tenuissima consperso. Sporis hyalinis, cylindraceo-curvulis, 8-11x2,5-3 my. Basidiis clavatis, 30-35x6-7 my. Cystidiis fusoideis, tunicatis, 36-50x7-12 my. Hyphis 3-4 my.
Ad lignum.
Fungi Rickiani 16859, 16911, S. Leopoldo 1930.

Peniophora tephra (B. et C.) Cooke. — Saccardo 6,643. — Rick, Broteria 30 (1934) 71.
Resupinata, effusa, margine pallide rufo, crenato, libero, tomentoso; hymenio hinc illinc papillato, gilvo-cinereo, demum rimoso.
Ad corticem.
In sicco Hypochno valde similis, margine non rufo, saepe autem ex substrato translucido apparenter rufo gilvoque; pellicula hymenea violaceo-grisea, setulosa. Sporis 6-9x3 my, hyalinis.
Propter colorem alienum marginemque non liberum determinatio dubia.

Cystidia secundum Cooke subconica, aspera, 20-25x12-14 my. Inveni etiam pure griseam.
Fungi Rickiani 16745, 16906, S. Leopoldo 1930.

Peniophora stereoides Rick, n. sp.
Resupinata, laxe adnata, perfecte membranacea, subtus brunnea; hymenio sublacteo, molli, margine elevato. Basidiis longiusculis, usque 12 my latis, clavatis, 4-sterigmaticis. Cystidiis paucis, fusiformibus, inferne 8-10 my latis, incrustatis, mox laevibus. Sporis humidis cylindricis, siccis ovatis, 6-9x6-7 my.
Ad corticem.
Peniophorae terreae similis.
Fungi Rickiani 16907, S. Leopoldo 1943: Typus. — 20590, S. Salvador 1945.

Peniophora cystidendroides Rick, n. sp.
Effusa, crustacea, tenuissima, albo-grisea, absque margine, minute granulosa. Basidiis brevibus, clavatis. Cystidiis fasciculatis, non ramificatis, asperis, linearibus, usque 10 my latis, obtusis. Sporis 7-8my, subsphaericis.
Cystidiorum fasciculi longissimi, inferne basidiis occupatis; occurrit vero et totum hymenium basidiiferum, unde nec Odontia, nec Cystididendron. Wiesnerinae proxima.

Peniophora Martelliana Bres. — Saccardo 9, 239.
Late effusa, membranaceo-ceracea, arcte adnata, demum frustulatim secedens ambitu pruinoso subsimilari; hymenio laevi, glabro, demum velutino, siccitate rimoso. Sporis hyalinis, oblongo-obovatis ellipticisve, 9-11x6-7 my. Basidiis clavatis, 25-35x6-8 my. Cystidiis conoideis, hyalinis, asperulis, 50-60x12-14 my.
Ad ligna mucida.
Basidiis mediis, 4-sporis; cystidiis late fusiformibus. Secundum auctorem inter Corticium calceum et Peniophoram puberam medium tenet. C. calceum evidenter in Peniophoram transit; legi enim eam cum paucis solum cystidiis.
Fungi Rickiani 16824, S. Leopoldo 1939. — 20638, S. Salvador 1945.

Peniophora Mölleriana (Bres.) Sacc. — Saccardo 11, 128.
Late, effusa, arcte adnata, ceracea, argillacea vel ochroleuca; ambitu albo vel subsulphureo; hymenio laevi, sub lente cystidiis pruinoso. Sporis oblongis vel subcylindraceis, 5-7x3 my. Basidiis clavatis, 40-50x6-7 my. Cystidiis fusoideis, asperulis, 60-70x10-15 my. Hyphis cylindraceis, septatis, ad septa non vel unilateraliter nodosis, 3-4 my latis.
Ad ligna.
Peniophorae puberae (Fr.) Sacc. valde affinis. Colore luteo-olivaceo, in sicco fere avellaneo. Non rimosa.

Peniophora decolorans Rick, n. sp.
Resupinata, flavo-olivaceo-decolorans et tunc cremeo-alba, adnata; margine tenui membranaceo-furfurello; hymenio subgelatinoso, flavo-olivaceo. Cystidiis 10x14 my, conicis, usque ad medium incrustatis, pede lato, hyalinis, apice plerumque nudo; hyphis perlatis. Sporis 6-7x3,5 my, granulatis.
Ad lignum nudum.
P. gelatinosulae bona varietas.
Fungi Rickiani 16858, S. Leopoldo 1931. — 16861, S. Leopoldo 1932: Typus.

Peniophora lutea Rick, n. sp.
Membranacea, sulphureo-lutea, sicca pallida, non rimosa, subgelatinoso-ceracea. Basidiis linearibus. Cystidiis linearibus, 8 my latis, obtusis, leviter asperis. Sporis 8x3,5 my cylindricis.
Ad corticem.
Colore cystidiisque asperis a gilva Bourd. distincta: an Kneiffia subsulphurea (Karst.) Bres.?

Peniophora sulphurea Rick, n. sp.
Omnibus partibus P. longisporae conveniens, excepto hymenio vere pelliculoso, quamvis initio hypochnoideo, sporisque rectis, non curvulis; insuper colore saltem ex parte sulphureo. Sporis usque 20x4 my.
Ad lignum.
Primo ut P. longisporae varietas habita, sed nihilomnus genuina raraque species, cum P. longispora e contrario hic omnium sit communissima.
Fungi Rickiani 16801, S. Leopoldo 1940: Typus.

Peniophora carneola (Bres.)
Rick, Broteria 30 (1934) 69.
Kneiffia carneola Bres. — Saccardo 17,178.
Late interrupteque effusa, flocculosa, ambitu furfuraceo, pallide lurideque incarnata; hymenio velutino, haud rimoso. Sporis hyalinis, subamygdaliformibus, apiculatis hilariterque depressis, 6-8x4-4,5 my, raro 9-10x5 my. Basidiis clavatis, 20-25x5-6 my, 4-sterigmaticis; sterigmatibus 4-6 my longis. Cystidiis raris, conico-cuspidatis, basi ventricosis, e ruguloso-subincrustatis, mox laevibus, 90-100x8-9 my.
Hyphis irregularibus, mollibus, septatis, raro nodosis, 3-5 my crassis.
Omnibus partibus bene conveniens, sed carneola fit solum in herbario; secus pallida.
Fungi Rickiani 16803, 16857, S. Leopoldo 1935-1939. — 16768, Caí 1937. — 16927, 22806, S. Salvador 1943-1945.
var. **platyspora** Rick, n. var.
Hymenio magis velutino sporisque latioribus.
Fungi Rickiani 16822, S. Leopoldo 1939.

Peniophora Ayresii (Berk.) Cooke. — Saccardo, 6,644.
Adnata, effusa, ochraceo-alutacea, continua, leviter colliculosa, ambitu araneosa; hymenio processibus late fusiformibus, magnis, 120-200x25 my praedito.
Ad truncos.
Margine late arachnoideo, semper albo. Vegeta laete ochroleuca, sicca aliquid in alutaceum vergit; membranaceo-crustosa. Sporis 6-8x4-5 my.
Sat crassa; mycelio arachnoideo profunde inter corticem radicante.
Fungi Rickiani 16846, 16876, Parecí 1935.

Peniophora glebulosa (Fr.) Sacc. — Saccardo 16, 195.
Var. **platyspora** Rick, n. var.
Late effusa, flocculoso-membranacea, mollis, margine farinoso, e candido vel albo alutacea; hymenio e cystidiis velutino, siccitate in glebulas minimas partito. Basidiis clavatis, 25-30x6-7 my. Cystidiis cylindraceis vel apice cuspidatis, basi interdum subventricosis, laevibus, crasse tunicatis, 70-140x6-14 my. Sporis hyalinis, cylindraceo-curvulis, 7-9x1,5-2,5 my. Hyphis 2-3,5 my latis.
Ad ligna.
Procul dubio est Corticium calceum Fr. cum paucis cystidiis fusiformibus, inferne inflatis, laevibus; sporis autem 6-8x4-5 my, saepe appa-

renter cuneiformibus, membrana tenuissima, nucleo argillaceo.
Ad corticem.
Fungi Rickiani 20199, S. Salvador 1943.

Peniophora aurantiaca (Bres.)
Corticium aurantiacum Bres. — Saccardo 11,126.
Pileo ceraceo, adglutinato, e suborbiculari late confluente, ambitu albo, radiante; hymenio laevi, sub lente pruinoso, laete aurantiaco-miniato, expallente. Sporis hyalinis, late obovatis vel ellipsoideis, 12-15x9-10 my. Basidiis clavatis. Cystidiis fusoideo-cuspidatis, tunica crassa, furfuracea primitus obductis. Hyphis cylindraceis, septatis.
Ad ramos.
Non miniata, sed aurantiaca; cystidiis usque 10 my longis, inferne 15 my, furfuraceis, tunica crassa; sporis 10x8-9 my et ultra, aliquid coloratis. Videtur convenire.
Fungi Rickiani 16883, S. Leopoldo 1930.

Peniophora puberula Karst. — Saccardo 9, 238.
Indeterminata, hypochnoidea, hymenio clauso, grisea. Cystidiis acuiformibus, membrana granulata. Sporis 6-8x3 my, curvulis.
Ad corticem.
A P. longispora sporis coloreque distincta. Cf. P. hirtella Bourd.
Fungi Rickiani 14949, S. Leopoldo 1940.
Var. **Masseeana** Rick, nova var.
Sporis 12-9x3 my.
Peniophorarum grex cystidiis praeditus: longispora, sulphurea, ambiens, puberula etc., quae insuper hymenio hypochnoideo gaudent in subgenus proprium videtur separandus.

Peniophora subgigaspora Rick, n. sp.
Minute membranacea, albo-cremea, margine indeterminato, hyalino-griseo, subtomentosa, resupinata. Basidiis primo 12 my latis, clavatis, pedicellatis, mediis, fasciculatis; deinde 9 my latis, sterigmatibus crassiusculis, sed etiam longis. Cystidiis longis, prostantibus, rarioribus, 50-60x12-16 my, altero apice acutatis.
Ad corticem.
P. gigasporae Masee videtur affinis. A P. candidissima, quae semper in plantis scandentibus invenitur, colore, textura, situ distincta.
Fungi Rickiani 16813, S. Leopoldo 1939; Typus.

Peniophora gelatinosula Rick, n. sp.
Effusa, membranacea alba, gelatinosula, vegeta facile detersibilis, sicca adglutinata, leviter gyrosa, margine farinaceo. Cystidiis magnis, lanceolatis, grosse incrustatis, parte incrustata 40-60x20 my. Hyphis cystidiferis 10 my, ceteris tenuioribus. Sporis 8-10x4-5 my.
Ad corticem.
Heterochaetae gelatinosae similis, laevis vero microscopiceque alia.
Variat decolorans.
Fungi Rickiani 20016, S. Salvador 1943: Typus.

Peniophora ambiens Rick, n. sp.
Super corticem late extensa, arachnoidea, deinde pelliculosa, tenuissima, albo-grisea, quam P. longispora multo delicatior; hymenio sparse clauso; hyphis cystidiisque incrustatis, laxe punctatis, 3 my latis; cystidiis acuiformibus, 3-4 my latis. Sporis hyalinis, basidiis minutis.
Ad corticem.
Cf. P. pirina Bourd. et P. media Bourd.
Fungi Rickiani 16701, 16713, S. Leopoldo 1939. — 20117, 20238, S. Salvador 1943.

Peniophora aschista (Berk.) Cooke. — Saccardo 6,642.
Tenuis, rigida, secernibilis, ochroleuca, tuberculata, papillata; hymenio velutino. Sporis 6x2,5 my.
Ad truncum.
Cystidia secundum Cooke 80-90x8 my, in meo specimine tamen a Bresadola determinato minora latioraque. Sicca non pallida, sed lutea magisque rimosa quam P. Ravenelii, quae sicca pallida valdeque rugosa.
Fungi Rickiani 16842, S. Leopoldo 1905.

Peniophora multicolor Rick, n. sp.
Effusa, membranacea, fere coriacea, viridi-chlorino-flava, sicca flavida, per plagulas sparsa, rugulosa, margine albo-byssoideo; cystidiis 30-50x12-15 my, conicis, incrustatis. Sporis 5-6x3 my, elongatis.
Hyphis tenuissimis.
Ad corticem.
Sicca P. giganteae similis, structura vero diversa.
Fungi Rickiani 16802, 16877, Parecí 1935.

Peniophora byssoidea (Pers.) v. Höhn. et Litsch., Sitzb. k. Akad. Wiss. math. nat. Kl. 115, Abt. 1 (1906) 25.
Late interrupteque effusa, mollis, tomentosula, laxe contexta, ambitu arachnoideo, ex albido alutacea vel demum subochracea; hymenio e sublacunoso laevi. Sporis hyalinis vel substramineis, 1-guttulatis, obovatis, 3,5-4,5x2,5-3 my. Basidiis clavatis, 20-25x4-5 my. Cystidiis subfusoideis, apice obtuso, tenuiter tunicatis, apice laxe granulose incrustatis, mox glabris, interdum septato-nodosis, 70-90x4-5 my, parte prominula 30-40 my, hyalinis Hyphis 2-3 my.
Ad ligna mucida.
Fungi Rickiani 16823, 16880, 16892, 16714, 16382, S. Leopoldo 1936-1939.

Peniophora carnea (B. et C.) Cooke. — Saccardo 6,644. — Rick, Broteria 30 (1934) 72.
Effusa, membranacea vel subceracea, ochraceo-carnea, ambitu albo-fibrilloso; hymenio tenui, subglabro, siccitate rimoso, setulosa.
Ad corticem.
Primitus alba, deinde flavo-carnea. Sporis 5-6x4-5 my, piriformibus, apiculatis, hyalinis.
Corticii pruinati Bres. tropicalis videtur varietas cystidifera.
Fungi Rickiani 16764, 16883, S. Leopoldo 1931-1939.

Peniophora sanguinea (Fr.)
Rick, Broteria 30 (1934) 72.
Corticium sanguineum Fr. — Saccardo 6,512.
Effusa, crassiuscula, griseo-sanguinea, carnosa, setulis densis, cuspidatis, glabris, 55-60x6-7 my. Basidiis clavatis, Sporis 5-6x3,5 my.
Ad lignum nudum.
In sicco cremeo-roseola, rimosa; multicolor ideoque saepius sub aliis nominibus descripta.
Fungi Rickiani 22840. S. Salvador 1945.

Peniophora galachroa Bres. — Saccardo 14,224. — Rick, Broteria 30 (1934) 73.
Late effusa, membranacea, ex albo cremoricolor, ambitu primo subfimbriato, mox similari, demum rimosa, interstitiis sericeis. Sporis hyalinis, ellipticis, 5,5-6x9-10 my. Cystidiis fusoideis, primo furfuraceo-tunicatis, 50-55x9-10 my, dein granulosis, asperis, 5-6 my.
Hyphis subhymenialibus 2,5-4 my.

Ad corticem.
Fungi Rickiani 16854, S. Leopoldo 1930. — 16721, 16770, 16915, 16929, Sta. Maria 1936. — 16909, 20157, S. Salvador 1942.

Peniophora levis (Fr.)
Rick, Broteria 30 (1934) 73.
Corticium leve Fr. — Saccardo 6,611.
A Corticio levi Pers. notis microscopicis distincta. Sporis obovatis, biguttulatis, hyalinis, 5-6x2,5-3 my. Basidiis clavatis, 35-40x6-7 my. Cystidiis subcylindraceis vel subfusiformibus, e granulato-incrustatis, laevibus, 50-80x6-7 my.
Ad ligna.
In arboribus vivis parasitans longe lateque rhizomorphas emittens.
Fungi Rickiani 16851, 16866, 16720, 16758, S. Leopoldo 1933. — 16760, Parecí 1935.

Peniophora Atkinsonii Ell. et Ev. — Saccardo 11, 129. — Rick, Broteria 30 (1934) 73.
Arcte adnata, fumoso-lilacina vel subavellanea, inaequalis, tenuis, Cystidiis subulato-cylindricis, 30-40xx5-7 my. Sporis elipticis, 4-5x2-3 my, e latere visis suballantoideis, roseolis, altero latere depresso. Margine arachnoideo-byssino. Color universalis olivaceus.
Ad corticem.
Utrum typus habeat cystidia, nescio.

Peniophora subabscondita (Bres.)
Rick, Broteria 30 (1934) 73.
Kneiffia subabscondita Bres. Ann. Myc. 1 (1903) 102.
Late effusa, adglutinata, submembranacea, ambitu radiato vel pruinato, pallida, subalutacea; hymenio sublaevi vel colliculoso-subtuberculoso. Sporis hyalinis, oblongis, 3 5-4.5x2-2, 75 my. Basidiis clavatis, 20-25x4-5 my. Cystidiis raris, cylindricis, granuloso-incrustatis, ut plurimum immersis, rarius usque 20 my emergentibus, 60-75x10-15 my.
Hyphis 2,5-4 my crassis.
Ad lignum.
Habitu Corticii confluentis, a quo tamen cystidiis sporisque distinctum. Sporis in meo specimine 4x3 my, luteolis; hymenio rimoso.
Fungi Rickiani 16738, 16779, 16792, Sta. Maria 1935. — 16724, S. Salvador 1943.

Peniophora subdiscolor Rick, Broteria 30 (1934) 74.
Effusa, incrustans, margine delicato, velutino, tenuis, subceracea, granulis sparsim unitis, subrufis ceterum nivea, minute setulosa. Basidiis brevibus, angustis, subirregularibus. Cystidiis brevibus, angustis. Sporis 3-6x3-4 my.
Ad corticem.
An discolori B. et C. identica?

Peniophora Ravenelii Cooke — Saccardo 6,643. — Rick, Broteria 30 1934) 74.
Effusa, adnata, colliculosa, flavida, continua, ambitu nuda. Cystidiis capitatis, valde brevibus, verrucosis. Sporis 4-6x2,5 my.
Ad corticem.
Species valde rudis et nodulosa. Determinatio dubia.
Fungi Rickiani 16828, S. Leopoldo 1932 16835, S. Leopoldo 1931-1932. — 16773, S. Salvador 1943.

Peniophora luride-olivacea Rick. Broteria 30 (1934) 74.
Ceracea, colliculosa, indeterminata, luride olivacea. Cystidiis longe pe-

dicellatis, numerosisimis, conicis, parte incrustata 20-30x10-12 my. Sporis 4x2,5 my, cylindricis, altero latere depresso.
Ad corticem.
Cf. P. leprosa Bourd. et P. deglubens Berk.
Fungi Rickiani 16749, 16772, 16805, 16820, 16830, 16884, Parecª 1935. — 16905, 16903, S. Salvador 1942-1943.

Peniophora grisea Rick, Broteria 30 (1934) 74.
Delicatissima, arachnoideo-contexta, ceracea, granulis occupata, grisea. Cystidiis longis, hyalinis. Sporis subangulatis, subcoloratis. 3-5 my diametro.
Ad lignum nudum.
Cf. P. effugiens Bourd.
Var. **hyalina** Rick, Broteria 30 (1934) 74.
Cystidiis vix perspicuis, sporis 5-6 my.
Var. **cylindrospora** Rick, n. var.
Sporis 7x4-5 my; cystidiis 60x8 my, laevibus, hyalinis, obtusis, inferne saepe inflatis.
Fungi Rickiani (sine varietatum distinctione) 16780. 16847, 16875, S. Leopoldo 1931-1939

Peniophora pubera (Fr.) Sacc. — Saccardo 6, 646. — Rick, Broteria 30 (1934) 75.
Late effusa, ceracea, arcte adnata, indeterminata, alba vel argillacea; hymenio laevi, velutino, siccitate rimoso. Cystidiis subhyalinis, conico-elongatis, asperulis. Sporis 4x3 my.
Ad Polyporum gilvum.
Valde delicata, sicca fere mucedinea.
Fungi Rickiani 16784, Parecí 1935. — 16872, 16914, S. Salvador 1943.

Peniophora chordalis v. Höhn. et Litsch., Sitzb. k. Akad. Wiss. Wien, math. naturw. Kl. Abt. 1 (1906) 50.
Membranacea, tenuis, pruinata. Hymenio non clauso, grisello, hyphis arachnoideis albis tecto, e basidiis cystidiisque composito. Basidiis brevibus, clavatis, 6-8 my latis. Cystidiis cylindraceis, superius latioribus, 35-66x6-8 my, hyalinis, laevibus. Hyphis tenuibus 2-4 my, hyalinis. Sporis ellipsoideis, 5-6x3-4 my, depressis
Ad corticem.
Fungi Rickiani 22865, S. Salvador 1944.

Peniophora nivea (Karst.)
Rick. Broteria 30 (1934) 75.
Kneiffia nivea Karst. — Saccardo 14,210.
Orbicularis, effusa, floccosa, submembranacea, crustaceo-adnata, tenuis, indeterminata, nivea; verrucis confertis, inaequalibus, conoideis vel setiformibus, superne ciliatis. Sporis ellipsoideo-sphaericis, uniguttulatis, 4,5x3,5 my. Hyphis ramosis, articulatis, unilateraliter nodosis, 2-4 my crassis.
Ad lignum putridum.
Cum cystidia sint scopiformia, potius ad Neokneiffiam Sacc. Descriptio in sicco bene quadrat; vegeta ceracea est, sordide alba margineque farinoso.
Fungi Rickiani 16751, S. Leopoldo 1931. — 16922, 20072, S. Salvador 1943.

Peniophora velutina (D. C.) Cooke — Saccardo 6,644. — Rick, Broteria 30 (1934) 75.
Effusa, adnata, carnea, ambitu fibris rectis divergentibus, concoloribus strigoso; hymenio crasso, carnoso, setulis densis velutino. Sporis con-

stanter 6 my, subangulatis.
Ad lignum caesum.
Var. **flavido-alba** (Cooke) Rick, Broteria 30 (1934) 76.
P. flavido-alba Cooke — Saccardo 6,644.
Subimmarginata, pallide sulphureo-lutea, crassiuscula. Sporis 6-8 my. Invenitur etiam forma fere alba, quae separari nequit. Exsiccando typice carnea. Setulis 50-60x10 my, fusiformibus.
Fungi Rickiani 14955, S. Leopoldo 1933.

Peniophora rimosa Cooke — Saccardo 6, 645.
Initio flavo-alba, deinde centro ochraceo, indeterminata, arcte adnata, subtiliter velutina; hymenio in areolas minutas rimoso; cystidiis numerosis, 50-70x10 my, saepe gregariis, hyalinis, apicem versus incrustatis, acutatis. Sporis 3-5x3-4 my.
Ad cortices.
Sparse colliculosa, raro etiam processus lutei, carnosi, 1-2 mm alti, sicut in Thelephoraceis adsunt. Utrum P. aschista Berk., a me etiam lecta, vere differat, nescio.
Fungi Rickiani 16735, 16826, 16897, Parecí 1939.

Peniophora oxydata Rick, Broteria 30 (1934) 76.
Effusa, velutino-mollis, ceracea, rufo-flava, sicca grisea; cystidiis validis, conicis, brevibus, latis, asperis. Sporis 4-5x3-4 my, altero latere depresso.
P. carneae et P. Atkinsonii similis.

Peniophora globifera Ell. et Ev. — Saccardo 14,224. — Rick, Broteria 30 (1934) 7.
Effusa, tenuis, flexibilis, sicca fragilis, cinerea, non rimosa, dense adnata, margine primo pilis adpressis, sericeis, albis, sed mox evanescentibus vestito. Cystidis primo globosis, mox in processus asperos, lanceolatos prolongatis, 40-70x8-10 my, hyalinis, numerosissimis.
Sporis minutis, 3 my, angulatis, argillaceis.
Ad corticem.
Pelliculae photographicae similis.
Fungi Rickiani 16746, 16834, S. Leopoldo 1932-1939.

Peniophora sphaerospora v. Höhn. et et Litsch., Sitzb. k. Akad. Wiss. Wien, math. naturw. Kl. 115, Abt. 1 (1906) 52.
Resupinata, alba, ceracea. Basidiis mediis. Cystidiis usque 85x5-8 my, laevibus. Sporis 4-7 my, sphaericis.
Specimen meum hymenio non clauso, demum flavo, vegeto non lignicolore distinctum; nihilominus huc videtur referendum, nisi forsan Tomentella.

KNEIFFIELLA P. Henn.

Kneiffiella parvispora Rick, n. sp.
Resupinata, ceracea, membranacea, detrectabilis, margine albo-fimbriato; hymenio crasso; cystidiis scopiformibus, in nodulos visibiles unitis, conico-lanceolatis, hyalinis. Sporis 3-4x2,5 my, hyalinis, rugosis, iirregularibus.
Ad lignum.
Peniophorae niveae Karst. videtur identica.

Kneiffiella sparsa Rick, n. sp
Late extensa, resupinata, sparsa nec unita, hypochnoidea sed hymenina, humida grisea, sicca albo-cremea, hirsutula. Basidiis mediis, cylindrico-curvulis aut rectangularibus, usque 12 my latis. Cystidiis ex hyphis fasciculatis, asperis, in denticulos unitis, 100 my longis. Hyphis septatis, nodulosis, subcoloratis. Sporis 7-9x4-6 my, subsphaericis.

ALEURODISCUS Rabenhorst.

Aleurodiscus usambarensis P. Henn., Bot. Jahrb. 1904, 43.
Corticium usambarense (P. Henn.) Sacc. — Saccardo 17,168.
Subpezizoideus, roseo-flavidus, resupinatus, membranaceus. Sporis ovoideis, 20-25x11-16 my, episporeo granuloso.
Ad ramos.
Omnino species africana.
Fungi Rickiani 12087, Sta. Maria 1930.

Aleurodiscus apiculatus Burt. — Myc. Notes 6, 922, pl. 145 f. 1652; 927.
Resupinatus, margine elevato, ochraceo, laevis; dendrophysibus flexuosis, aculeatis. Sporis hyalinis, altero latere depresso, limoniformibus, minute tuberculosis, apicibus acutis, 10-12x9 my.
Ad corticem.
Quamvis sporis in typo Burtiano multo maioribus, eadem tamen videtur species.
Fungi Rickiani 12079, 12081, 12082, 12085, 12088, S. Leopoldo 1933-1939.

Aleurodiscus guttulatus Rick, Broteria 30 ((1934) 165.
Effusus, ceraceo-solidus, roseo-flavus; margine albo-pruinoso, in sicco pallidiore, frustulatim fisso; hymenio velutino; dendrophysibus sine spinis, cylindricis, apice compressis, guttulis magnis repletis. Sporis 10-12 my, in sterigmatibus maioribus.
Ad corticem.

Aleurodiscus roseo-flavus Rick, Broteria 30 (1934) 165.
Perfecte stereiformis, margine libero, reflexo, albo-fimbriato; hymenio tomentoso, roseo-flavo, solido, subgelatinoso coriaceove. Basidiis magnis, clavatis, guttulatis; dendrophysibus lineari-clavatis, squarrosiusculis; paraphysibus hyalinis, late linearibus. Sporis convexo-planis, 25x15 my.
Ad lignum.
Fungi Rickiani 12096, Taquarembó 1936. — 12097, 20025, S. Salvador 1942-1943. — 12101, S. Leopoldo.

Aleurodiscus macrosporus (Bourd.) Lloyd, Myc. Notes 6,929, p. 147, f. 1681.
Resupinatus, colore demum flavo-cremeo. Sporis 23x6-8 my, cylindricis. Dendrophysibus filiformibus, flexuosis. Cystidiis rectis, hyalinis, prostantibus.
Ad lignum.
Fungi Rickiani 22638, S. Salvador 1944

Aleurodiscus aurantius (Pers.) Lloyd, Myc. Notes 6,929, pl. 148, f. 1682. Rick, Broteria 30 (1934) 165.
Corticium aurantium Pers. — Saccardo 6,606.
Ceraceo-carnosus, late effusus, siccus crustosus, obsolete albo-marginatus; hymenio laevi vel obtuse parce papillato, initio roseo, deinde roseo-flavo. Basidiis longis, 14 my crassis. Sporis ellipsoideis, 14-17x10-12 my, biapiculatis, episporeo crasso, indistincte punctato. Dendrophysibus

laevibus, apice moniliformibus.
Ad ramos.
Fungi Rickiani 12077, S. Leopoldo. — 12094, 20222, S. Salvador 1943.

Aleurodiscus strumosoides Rick, n. sp.
Resupinatus, albo-flavus, margine decurrente, subtus mollis, stupposus; hymenio ceraceo, sicco rimoso. Basidiis pedicellatis, longis, cylindricis, 40x20 my, 12 my latis. Sporis 12x10 my, apiculatis, curvulis. Dendrophysibus nodulosis, nodulis ovatis.
Ad lignum.
A. strumoso similis forsanque identicus.
Fungi Rickiani 12075, 12084 S. Leopoldo 1933.

Aleurodiscus cinnamomeus Rick, n. sp.
Membranaceus, mollis, cinnamomeus, siccus pallidus; margine albo-fibrilloso; per plagulas parvas ad arboris vivae corticem crescens. Basidiis submagnis, valde latis, plurimis. Dendrophysibus hyalinis, tenerrimis, plurimis. Sporis grosse biapiculatis, 19-12x9-8 my, centro crasse cingulato, argillaceis.
Ad corticem.
Sporis vere insignis; ab A. apiculato Burt. sporis coloreque distinctus.

Aleurodiscus Weirii Burt. — Lloyd, Myc. Notes 6,930 pl. 148, f. 1685.
Effusus, albus, tenuis, ochraceo-hirsutus, adnatus, margine adpresso, orbicularis aut elongatus; hymenio a parte subhymeniali subgelatinosa distincto. Sporis subglobosis, 16-18 my, laevibus. Cystidiis fusoideis, paucis, hyalinis, laevi-tunicatis, projectis, 40 my. Paraphysibus tenuibus, ramosis, flexuosis, hyalinis.
Ad corticem.
Lloyd in nota 1015 specimen a me missum huic tribuit speciei.

Aleurodiscus bicolor Rick, n. sp.
Corticioides, ceraceus, initio arachnoideus, dein demum pezizoideus et ceraceo-hyalinus, margine hirsutulo demum confluente; isabellino-luteus. Basidiis magnis, clavatis. Dendrophysibus paucis, tenuibus, vix ramosis. Sporis elongatis usque cylindricis, 15-20x9 my.
Ad lignum.
A. Oakesii videtur varietas.
Fungi Rickiani 20627, S. Salvador 1943: Typus. — 20645, S. Salvador 1945.

Aleurodiscus sordido-albus Rick, Broteria 30 (1934) 166.
Effusus, tenuis, rudis, sordide albus, in sicco rimosus, Basidiis brevibus, latis, clavatis vel rectangularibus, 12-18 my latis. Dendrophysibus laxe ramosis, crystallis fuscis botryose occupatis. Sporis sphaerico-piriformibus, grosse apiculatis, 8-12x8-9 my.
Ad corticem.
Fungi Rickiani 12089, S. Leopoldo: Typus.

GLOEOPENIOPHORA v. Höhnel.

Gloeopeniophora croceo-testacea Rick, Broteria 30 (1934) 47.
Effusa, membranacea, flavo-rubra, laxe adhaerens; margine byssoideo, albo-brevi, mox evanido; cystidiis peniophoroideis, longis, hyalinis, prostantibus, fusiformibus, inferme 8 my latis, superne filiformibus; gloeocystidiis brevioribus, cylindricis, intus coloratis, quam cystidia peniophoroidea latioribus. Sporis 5x3 my, albis.

Ad corticem.
Peniophorae byssoideae (Pers.) v. Höhnel similis, sed gloeocystidifera; an identica?
Fungi Rickiani 13430, 13431, 13432, 13434, 13435, 13436, 13437, S. Leopoldo 1939. — 13433, S. Salvador 1943.

GOEOPENIOPHORELLA Rick, Broteria 30 (1934) 47.

Gloeopeniophora sporis echinatis, coloratis. A Prillieuxia sporis duplicis generis distincta.

Gloeopeniophorella rubro-flava Rick, Broteria 30 (1934) 47.
Effusa, ceracea, in sicco membranacea, margine albo-fibroso-radiante, colliculosa, merulioidea, luteo-flava; cystidiis peniophoroideis 60x20 my, obtuse conicis, immersis, breviter pedicellatis, subcoloratis, incrustatis; gloeocystidiis longissimis, 10-12 my latis, undulatis, laevibus, saepe inflatis, intus granulosis, luteis, apice obtuso, angustiore, saepe hyalino, septatis. Basidiis mediis, obovatis. Sporis 5x4 my, luteolis, echinatis.
Ad corticem.
Prillieuxiae rubro-flavae Rick forsan identica.
Fungi Rickiani 13485, S. Leopoldo 1932: Typus.

Gloeopeniophorella griseo-lutea Rick, n. sp.
Tenuissima, resupinata, immarginata, lutea aut luteo-grisea. Basidiis mediis, 12 my latis. Cystidiis conico-elongatis, mediis 15 my latis, asperis. Sporis 15x6 my, elongatis. Gloeocystidiis angustis, luteis. Contextu denso.
Ad lignum.

CYTIDEA Quélet.

Cytidea cornea Lloyd, Myc. Notes 5, 656, f. 935-1937.
Resupinata, subdisciformis, crassiuscula, 5-10 my lata, alba, subgelatinosa, laevis, sicca cornea; margine integro. Basidiis 50-60x15-25 my, capite inflata. Sporis Sporis 14-16 my, ovatis, flavidulis. Contextu albo, hyphis tenuibus. Cystidiis longis latisque, rugosis.
Ad lignum nudum, non rara.
Positio systematica incerta; vide Lloyd, 1. c.
Fungi Rickiani 12078, S. Leopoldo.

Cytidea conspersa Rick, n. sp.
Resupinata, membranaceo-cartilaginosa, rugulosa, luteo-purpureo-cinera, quasi conspersa, disciformis. Basidiis 60x10-12 my, clavatis, 4-sterigmaticis, longis. Cystidiis eiusdem magnitudinis, pedicellatis, conicis, crystalliferis, hyalinis, in fungo vetusto longissimis, prostantibus, sessilibus, 100x6-10 my, paucis, inferne inflatis, laevibus, deciduis, vacuis, obtusis, hyalinis. Sporis 14-19x6-10 my, cylindrico-elongatis, hyalinis. Cystidiis aliis ternis, hyalinis, ad extremitatem moniliformibus.
Hucusque in Brasilia praeter C. corneam Lloyd nulla nota erat species; nova species grisea est.
Fungi Rickiani 12823, S. Salvador 1943: Typus. — 19608, S. Salvador 1943.

ASTEROSTROMA Massee.

Asterostroma fulvum Romell. — Saccardo 16, 193. — Rick, Broteria 30 (1934) 41.
Effusum, laxum, stratosum, rigido-molle, laete fulvum; hyphis 3-4.5 my, crassis, laevibus, fere hyalinis, apice magis coloratis, luteo-fulvis, substellatis vel pluries ramosis, ramulis acutis, laevibus. Sporis hyalinis, inaequilateraliter ellipsoideis, basi oblique apiculatis, 6-8x3-5 my.
Ad Psidii corticem frequens bonaque species.
Fungi Rickiani 12125, S. Leopoldo.

Asterostroma pallidum Morg. — Saccardo 14, 223. — Rick, Broteria 30 (1934) 41.
Membranaceo-coriaceum, extus albo-sordidum, intus olivaceum, tenue, effusum, superficie tuberculosa hirsutaque. Basidiis clavatis, sterigmatibus longis, lateralibus. Sporis in pulvere argillaceis, 7-8 my, sphaericis, valde spinulosis. Hyphis egregie stellatis, brunneis.
Ad lignum.
Fungi Rickiani 12157, Sta. Maria 1936: Typus. — 12144, S. Leopoldo, 1939. — 20211

Asterostroma hapalum (B. et Br.) Masee.
Rick, Broteria 30 (1934) 41.
Corticium hapalum B. et Br. — Saccardo 6,631.
Resupinatum, margine angustissimo, candido; hymenio subtiliter setuloso, isabellino. Cystidiis stellatis, flavis. Sporis 12-15x8 my.
Ad corticem.

Asterostroma olivaceum Rick, Broteria 30 (1934) 41.
Effusum, coriaceum, velutinum, olivaceum, setulis cruciatis, ramulis brevibus, acutis. Sporis subhyalinis, asperis 8 my diam., angulatis. Ab A. fulvo Romell colore sporisqus diversum, cum Hymenochaete stelligera Speg. forsan identicum. Tali modo iunctum inveni cum Hymenochaete badia, ut quandam inter has species affinitatem suspicer.
Fungi Rickiani 12142, S. Leopoldo 1932: Typus. — 12135, 12138, 12141, 12142, 12143, 12147, 12149, 12152, 12146, S. Leopoldo 1940.

Asterostroma cervicolor (B. et C.) Masee.
Rick, Broteria 30 (1934) 42.
Corticium cervicolor B. et C. — Saccardo 6,621.
Hypochnoideum, delicatum, margine rhizomorphoideo, albo-granulatum, postea cervinum; hyphis stellatis, acutis, ex orbe centrali regulariter nascentibus. Sporis 8 my, grosse apiculatis, brunneis.
Ad Araucariam putridam.
A. Gaillardii Pat. affine, cuius tamen sporae hyalinae.
Fungi Rickiani 12121, 12145, 12155, Parecí 1935-1942. — 12136, 19880, S. Leopoldo 1940. — 22880, S. Salvador 1945.

Asterostroma viridi-flavum Rick, Broteria 30 (1934) 42.
Corticioideum, margine similari, viridi-flavum (citrinellum), velutinum; spinis coloratis, dendroideis, laxe ramosis, acutis, rugosiusculis. Basidiis clavatis, 30x14 my. Sporis sphaericis, 10 my, laevibus, hyalinis.
Ad lignum.
Asterostromellae citrinae Rick, simile, sporis vero aliud.

Asterostroma chromo-luteum Rick, Broteria 30 (1934) 42.
Resupinatum, arachnoideum, byssaceo-tomentosum, demum membra-

naceum, ambitu pallidiore, secus chromo-luteum, pruinosum, in sicco luteo-olivaceum. Basidiis 20-60x8-10 my. Sporis globosis, flavis, pulchre aculeatis, 10-12 my, sphaericis. Hyphis flavo-brunneis, spinis stellatis, acutis, flavidis.
Ad lignum mucidum.
In strato hypochnoideo pelliculae exsistunt corticioideae, inter se dissitae.
Fungi Rickiani 12157, Sta. Maria 1936: Typus. — 12144, S. Leopoldo, 1939. — 20211, 22657, S. Salvador 1943-1944.

Asterostroma sordidum (Rick) Rick, n. comb.
Gloeasterostroma sordidum Rick, Broteria 34 (1938) 75.
In ligno nudo longe lateque extensum, resupinatum, sordide griseum, durum, velutinum, nodulosum. Basidiis brevibus, clavatis. Spinis brunneo-flavis, cruciatis. Sporis 9-10 my, subsphaericis, grosse rugosis, subhyalinis. Cystidiis paucis, latis, apice acutis, hyalinis, laevibus.
Ad lignum nudum.
Siccum cervinum, non rimosum; an iddem ac A. pallidum Morgan?
Fungi Rickiani 12130, Sta. Maria 1936: Typus. — 12140, Sta. Maria 1936. — 12156, 20205, S. Salvador 1943.

Nota: Gloeoasterostroma Rick, n. genus (Broteria 30 (1934) 75) cum specie G. sordidum Rick ibi descriptum, delendum: Gloeocystidia enim ibi notata nihil aliud sunt quam Ascomycetes parasiticus, probabiliter Woronina.

ASTEROSTROMELLA v. Höhnel.

Asterostromella citrina Rick, Broteria 30 (1934) 42.
Subceracea, subcrassa, citrina, dense setulosa, granulis obscurioribus occupata, firmiter adnata, demum parce rimosa; setulis parvis longisve, multiramosis, 1-2 my crassis, ramulis acutis. Basidiis parvis, clavato-sphaericis. Sporis 4-5x3-4 mâ, flavidulis.
Ad corticem.
Peniophorae citrina P. Henn. forsan identica.
Fungi Rickiani 12039, S. Leopoldo 1939.
Var. **brevispinulosa** Rick, Broteria 30 (1934) 43.
Spinis brevibus.

Asterostromella taquarae Rick, Broteria 30 (1934) 43.
Effusa, crustacea, tenuissima, immarginata, delicata, velutina, flavida, longe extensa, sicca rimosa; setis coloratis, brevibus, dendroideis. Basidiis minimis. Sporis 8-11x9 my, piriformibus, apiculatis, hyalinis, nucleo excentricc.
Ad Bambusam siccam.
Var. **robusta** Rick, n. var.
Magis evoluta, crassa, robusta; ad cortices.
Fungi Rickiani 21030, S. Salvador 1944: Typus (sub A. tenax Rick). Fungi Rickiani (sine varietatis distinctione) 12038, 12045, 12051, 12052, 12067, Parecí 1935. — 12046 (Typus speciei), 12065, S. Leopoldo 1932.

Asterostromella alutaria (B. et C.) v. Höhn. et Litsch.
Rick, Broteria 30 (1934) 43.
Corticium alutarium B. et C. — Saccardo 6,634.
Effusa, margine initio pelliculoso, consperso, postea nullo; innata, papillata, flavo-ferruginea. Sporis 5-6 my, sphaericis, hyalinis. Setulis minimis, coloratis, ramosis.
Ad lignum.

Asterostromella parasitica Rick, Broteria 34 (1938) 73.
Resupinata, membranaceo-cerea, tomentosa, fimbriis albis rhizomorphoideis marginata, alba. Basidiis pulchre stipitatis, 20-25x9 my, elongatis, cylindricis. Setulis tenuissimis, ramulosis, subluteis. Sporis 10-12x5 my, ovalibus, albis, laevibus.
Ad Polyporum.
Fungi Rickiani 12040, Sta. Maria 1936: Typus. — 12044, 12050, Sta. Maria 1936.

Asterostromella roseola Bres.
Rick, Broteria 34 (1938) 74.
Resupinata, delicata, membranacea, rosea, determinata. Basidiis globosis, dein elongatis, 30-40x10-15 my. Sporis 14-18x10-13 my, ovalibus, laevibus, subhyalinis, apiculatis. Spinulis longis, pedicellatis, nodulosis.
Ad ramulos.
Fungi Rickiani 12053, Sta. Maria 1936.

Asterostromella deglubens Rick, Broteria 34 (1938) 73.
Resupinata, membranacea, mollis, livido-alba, in frustula cupuliformia secedens, deglubens (corticem abiciens). Basidiis cylindricis. Sporis 10 my, sphaericis, hyalinis, laevibus. Spinulis delicatis, subhyalinis.
In et sub cortice.
Fungi Rickiani 12063, Sta. Maria 1936: Typus.

Asterostromella albo-viridi-flava Rick, n. sp.
Corticioidea, margine similari, viridi-flava, velutina, duriuscula, spinis cruciatis, coloratis, dendroideis, acutis, laxe ramosis, maiusculis. Basidiis clavatis, 30x15 my. Sporis albis, sphaericis, 10 my.
Ad corticem.
A. citrinae Rick similis, notis vero microscopicis plane alia.

Asterostromella sulphurea Rick, Ann. Myc. 38 (1940) 59.
Resupinata, membranacea, mycelio xylostromatico, fere stereoidea, margine albo-fimbriato, sulphurea, sicca pallida. Basidiis longiusculis, 8 my latis, subclavatis; sterigmatibus brevibus longisve. Sporis 7x3 my, oblongis. Textura pseudoparenchymatica. Setulis furcatis, 2 my crassis, hyalinis, longis.
Ad lignum.

Asterostromella olivaceo-oxydata Rick, Broteria 34 (1938) 73.
Resupinata, immarginata, crustacea, rudis, pallide olivacea, sicca rubroflava, partim oxydata. Basidiis cylindricis, 8 my latis, bisterigmaticis. Sporis 6-8x3-4 my, ellipticis, laevibus, apiculatis, nucleo hyalino. Setulis multifurcatis, hyalinis.
Ad lignum.
Fungi Rickiani 12069, Sta. Maria 1936. — 20893, S. Salvador 1944.
Var. **anomala** Rick, Broteria 34 (1938) 73.
Effusa, mollis, ceracea, margine breviter albo-fimbriato, hymenio fisso, cremeo-sulphureo, circumvoluto, crassiusculo. Setulis initio solum visibilibus, subhyalinis, postea in crustam oleosam guttulatam coalitis. Basidiis minimis. Sporis 7x4 my, ovalibus, hyalinis, breviter apiculatis.
Ad lignum.
Fungi Rickiani 12042, 19941, Sta. Maria 1936 (sub A. anomala Rick).
Var. **albo-crustacea** Rick, Broteria 34 (1938) 73.
Alba, crustacea, sicca flavescens, rugosa, punctata, margine arachnoideo-albo . Basidiis clavatis, 12x5 my, fasciculatis. Spinulis crustaceis, intricatis, luteis. Sporis 6x3 my, nucleo longitudinali.
Ad lignum.

Fungi Rickiani (sub A. albo-crustacea Rick) 12047, Parecí 1935: Typus. — 12061, 12062, Sta. Maria 1932.

Asterostromella lateritia Rick, n. sp.
Resupinata, membranacea, grumoso-rudis, margine irregulari, lateritio-papyrina; setulis valde remotis, 2 my latis, coloratis; hyphis subhymenialibus hyalinis, strictis, 3 my latis. Sporis subamygdaliformibus, 8-21x9-10 my, altero latere apiculatis.
Ad corticem.
Fungi Rickiani 20343, Sta. Maria 1943: Typus.

Asterostromella subalutaria Rick, Ann. Myc. 38 (1940) 60.
Resupinata, subceracea, lutea, margine tenuissimo, membranaceo-hyalino; setulis intricatis, fere hyalinis, tenuibus. Basidiis clavatis, dilutis. Sporis 8-9 my, subangulatis, hyalinis, laevibus.
Ad corticem.
Ab A. alutaria (B. et C.) v. Höhn. et Litsch. sporis, consistentia, colore distincta; A. parasiticae Rick proxima, sporis vero coloreque alia.
Fungi Rickiani (sub. A. "subalutacea" Rick) 12043, Sta. Maria 1936: Typus. — 12064, Sta. Maria 1936.

Asterostromella calospora Rick, n. sp.
Crustacea, immarginata, resupinata, carnosa, granulata, alutaceo-straminea; setulis stellatis dentiformibusve, multispinosis, tenuissimis, ferrugineis. Basidiis cylindricis, 40-60x8-10 my, 4-sterigmaticis. Sporis sphaerico-cylindricis, grosse apiculatis, hyalinis, 10-12x10-11 my, subpiriformibus, grosse guttulatis.
Ad corticem.
Ab A. alutaria (B. et C.) v. Höhn. et Litsch. sporis coloreque obscuriore recedens.
Fungi Rickiani 1207, S. Salvador 1943: Typus.

Asterostromella adspersa Rick, Broteria 34 (1938) 73.
Delicatissima, innata, effusa, albo-roseo-lutea, immarginata, velutina. Basidiis 25-10 my, rectangularibus. Sporis sphaericis, hyalinis, laevibus. Spinulis tenuissimis, multiramosis, coloratis.
Ad ramulum.
A. Taquarae Rick similis.

Asterostromella triangulispora Rick, n. sp.
Resupinata, laxe sparsa, membranaceo-ceracea, mollis, margine irregulari, 0,5 mm crassa, cremea, rimosa, margine initio albo, parum flocculoso; hyphis hyalinis, 3 my latis, vix septatis; setulis coloratis, tenuissimis, superius vix ramosis. Sporis hyalinis, triangularibus, triangulo 12 my alto, ad basin intus convexo, extus concavo.
Ad corticem.
Fungi Rickiani 20115, S. Salvador 1943: Typus.

CONIOPHORA De Candolle.

Coniophora subochracea Peck — Saccardo 14, 225. — Rick, Broteria 30 (1934) 166.
Effusa, membranacea, subiculo filamentis arachnoideis, albis composito; hymenio viridulo-ochraceo, laevi vel minute papilloso, subiculum matricemque ostendente. Sporis copiosis, late ellipsoideis, coloratis, 6x4 my (in meo specimine 4-5x3-4 my).

Ad lignum putridum.
Ad Hypochnum vergens.
Fungi Rickiani 12411, 12416, 12418, 12525, S. Leopoldo 1930-1932. — 12414, S. Salvador 1943.

Coniophora conspersa Fr. — Saccardo 6,649. — Rick, Broteria 30 (1934) 166.
Late indeterminateque effusa, membranacea, ambitu byssino, pellicula aurea. Sporis floccis nonnuliis obvolutis, flavidis, 4,5-2,5-3 my.
Ad Bambusam putridam.
Fungi Rickiani 12412, 12413, S. Leopoldo 1931-1935.

Coniophora albo-olivacea Rick, n. sp.
Resupinata, vix membranacea, primitus alba, dein olivaceo-pulverulento-crustacea, rimosa, indeterminata. Basidiis cylindricis, brevibus, 8-10 my latis. Sporis humidis, 6x5 my, luteis, nucleatis.
Ad corticem, ligno sub cortice albo-consperso.
Sicca straminea.
Fungi Rickiani 21821, S. Salvador 1944: Typus.

Coniophora stereoidea Rick, Broteria 30 (1934) 166.
Crassa, effusa, mollis, areolato-cerebrina, albo-flavescens, contextu brunneo-stratoso, margine ex albo-strigoso atro-fulvo. Cystidiis hyalinis, fusiformibus, variis, longissimis, tortuosis. Basidiis longis, angustatis. Sporis subhyalinis, 4.5x2.5-3 my, curvulis, lateraliter apiculatis.
Ad lignum ad instar panni elastici.
Fere indubie eadem est ac C. stratalis Massee, a qua tamen sporarum dimensionibus differt.
Propter contextum stratosum novum propono genus Coniophoraefomes, cui C. Matzuzawae Yasuda (Lloyd, Myc. Notes 5, L. 68: 12; 6,980), pariter stratosa, adnumeranda esset. Si hoc genus recipitur, species mea vocanda esset Coniophoraefomes stereoides (Rick) Rick.
Fungi Rickiani 12415, 12420, 12423, 12424, 12430, 14219, S. Leopoldo 1930-1933. — 22843, 23121, S. Salvador 1945.
Fungi Rickiani (sub Coniophoraefomes stereoides (Rick) Rick) 12421, 12743, 12744, 12745, 12746, 12747, S. Leopoldo 1933.

Coniophora fumosa Karst. — Saccardo 6, 651. — Rick, Broteria 30 (1934) 167.
Effusa, arachnoideo-membranacea, admodum tenera, adhaerens, laevigata sicca fusco-cana. Basidiis inverse conicis, 20x10 my. Sporis 6-9x6-8 my, brunneis, varis, ellipticis.
Ad lignum Araucariae.
Siccitate passim soluta. Quasi Hypochnus membranaceus, colore primum coriaceo, demum obscuriore, hymenio velutino. Varietas videtur brasiliensis, quam typica magis evoluta. Cf. C. arida Fr. quae non differt.
Fungi Rickiani 12426, S. Leopoldo 1933. — 20080, S. Salvador 1943.

CONIOPHORELLA Karsten.

Coniophorella radians Rick, Broteria 30 (1934) 167.
Resupinata, margine albo-radiante, ceracea, membranacea, ex albo-flavescens. Sporis sphaericis aut ovatis, 9-10x7-8 my, apiculo mammoso, subhyalinis. Cystidiis clavatis, repletis, 24x8 my.
Ad ligna.

Coniophorella umbrina (Alb. et Schw.) Bres., Ann. Myc. 1 (1903) 111. — Rick, Broteria 30 (1934) 167.
Thelephora umbrina Alb. et Schw. — Saccardo 6, 541.
Effusa, carnoso-mollis, umbrina, subtus villosa, ambitu brevi, radiante. concolore; hymenio e tuberculoso collabente, ferrugineo-pulverulento. Basidiis clavatis, 30x9-10 my. Sporis fuscidulis, obverse obovatis vel subamygdaliformibus, 9-12x6-8 my. Cystidiis subfusoideis, e granuloso scabris, laevibus, septatis, 100-120x9-12 my.
Ad corticem.
Var. **olivacea** (Fr.) Rick, n. comb.
Coniophora olivacea (Fr.) Karst. — Saccardo 6,649.
Colore olivaceo.

Coniophorella crocea (Karst.) Rick, n. comb.
Coniophora crocea Karst. — Saccardo 6, 651.
Membranacea, arcte adnata, contigua, glabra, crocea, ambitu similari; hymenio laevi, ochraceo, humefacto et tactu rufo, leviter setuloso pulveraceo. Sporis ellipsoideis, 7-9x3-4 my, laevibus, flavidis.
Ad ligna.
Karstenii specimen forsan iam vetus crystallis destitutum videtur; meum specimen, quamvis colore distinctum, plane iddem.

PRILLEUXIA Saccardo et Sydow.

Prillieuxia cremoricolor Rick, Broteria 30 (1934) 168.
Longe lateque effusa, tomentosa, margine albo-fibroso; hymenio albo-cremoricolore, minute tomentoso, non rimoso. Sporis hyalinis, stramineis, 5-8x4,5 my, apiculatis, asperis.
Ad corticem.
Hypochni cremoricoloris Bres. meo sensu forma hymeniifera.

Prillieuxia spongiosa Rick, Broteria 30 (1934) 168.
Effusa. filamentis crassis subtus extusque albo-gossypina, mollis, crassa, longe extensa, filamentis rhizomorphoideis profunde in lignum putridum penetrans, albo-setulosa, pseudo-farinosa, laxe contexta, sustratosa, pallide alba, sicca laxe rimosa, frustulosa; hyphis crispatis, echinulatis. Basidiis clavatis, ovatis lineatisve, membrana echinata. Sporis 7-8x4-5 my (primo 10x8 my, piriformibus, apiculatis) echinulais, brunneis.
Ad lignum putridum.
Thelephorae helvelloideae forsan identica, de qua recte hymenium dicitur echinatum, e basidiis nempe, hyphis cystidiisque falsis, echinatis compositum. Meum specimen facile novi generis typus.
Fungi Rickiani 18827, 18817, 18823, 18836, Parecí 1931-1939. — 18818, S. Leopoldo 1932. — 21039, S. Salvador 1944.
Var. **cystidifera** Rick, Broteria 30 (1934) 168.
Minus crassa, sporis minoribus cystidiisque asperis, 60x20 my.
Fungi Rickiani 18820, 18833, Parecí 1935. — 18832, S. Leopoldo 1940.

Prillieuxia cinereo-violacea Rick, Broteria 30 (1934) 168.
Primo delicate albo-byssina, effusa, deinde cinereo-violascens; hymenio delicato, innato, crustoso-rimoso, granulato. Sporis 4-5,5x4, reticulatis, echinulatis, obscuris.
Ad corticem.
Ab Hypochno cinerascente Karst. hymenio vero evoluto coloreque dif-

fert. Exterius Peniophorae tephrae valde similis.
Fungi Rickiani 18814, 18829, 18830, 20213, 20428, 20643, 20664, 20670, S. Salvador 1944.

Prillieuxia flavo-rubra Rick, n. sp.
Resupinata, crassa, valde tuberculosa, ceracea, hirsuta, alba, margine subnullo. Cystidiis 30-40x5 my, laevibus, linearibus, hyalinis, obtusis. Sporis 7 my, sphaericis, echinatis, sub microscopio argillaceis, in pulvere albis.
Ad corticem.
Exsiccando flavescit. A P. spongiosa consistentia ceracea, cystidiis sporisque distincta.
Fungi Rickiani 18816, S. Leopoldo 1933.

Prillieuxia avellanea Rick, n. sp.
Cortici innata, membranacea, delicatisima, avellanea, laevis, margine innato. Basidiis brevibus, 20-30x6-8 my, cylindricis. Cystidiis paucis, hyalinis, lanceolatis, 30-40x8 my. Sporis 4-8x4-6 my, subsphaericis, in pulvere argillaceis, sub microscopio brunneis, echinatis.
Ad corticem.
Aspectu a cortice ipso vix distincta.
Fungi Rickiani 20722, S. Salvador 1944.

Prillieuxia albida Rick, n. sp.
Resupinata, margine longe albo-byssino; hymenio tenui, membranaceo, albo, dein sulphureo aurantiove, colliculoso, non ceraceo. Basidiis mediis, 8 my latis, cylindrico-clavatis. Sporis luteolis, 2x2 5 my, angulosis rugosisve.
Cf. Corticium flavissimum (Link) Bres.
Var. **sanguinea** Rick, n. var.
Hymenio sanguineo, sporis 4x3 my, ovatis.
Fungi Rickiani 20233, S. Salvador 1943.

Prillieuxia flavidula Rick, n. sp.
Submembranacea, resupinata arcte adnata, jonquilleo-flava, margine primum albo-flocoso dein nudo. Basidiis longe stipitatis, angustis, apice paulo crassioribus. Sporis flavidulis, subasperis, 10 my, sphaericis.
Ad ramum.
Inter Prillieuxiam Coniophoramque mutat.
Fungi Rickiani 18826, Taquarembó 1936.

Prillieuxia setinosa Rick, n. sp.
Resupinata, setinosa, delicatissima; hymenio clauso, albo, laxe adnata. Sporis sphaericis, 3-4 my luteolis, asperis.
Ad corticem.
Fungi Rickiani 18825, Parecí 1940.

Prillieuxia modesta Rick, n. sp.
Membranacea, mollis, laxe adnata, margine tuberculato, albo-lanoso; hymenio fisso, flavo-luteolo. Basidiis clavatis, brevibus. Sporis 3x2 my, echinulatis, luteolis, elongatis aut subsphaericis.
Ad corticem.
Cf. P. rubroflava.
Fungi Rickiani 22902, S. Salvador 1944.

Prillieuxia grisea Rick, n. sp.
Resupinata, hymenio griseo, ceraceo, margine tenuiter fibroso, mox nullo. Basidiis mediis usque 10 my latis, parum stipitatis, cylindricis;

Cystidiis paucis late fusiformibus, hyalinis. Sporis echinatis, 8 my, sphaerico-ovatis, subcoloratis. **Hyphis compactis.**
Fungi Rickiani 22797, S. Salvador 1945.

BOTRYOCHAETE Rick, n. genus.

Resupinata, consistentia membranacea, non ceracea, hyphis laxis; hymenio setulis rosulatis arborescentibus unito, rosulis in capitulum coloratum, incrassatum terminatis. Sporis coloratis, asperis. Prillieuxiae proxima.

Botryochaete laxa Rick n. sp.
Nivea, tenuiter membranacea, flocculosa, grumosa, indeterminata; setulis tenuibus, pedicellatis, botryose crystallinis, crystallis 3-5 my, angulatis, argillaceis, breviter adnexis. Sporis 5-7x3-4 my, membrana tenui, argillaceis, elongatis. Basidiis probabiliter cylindraceis, brevissimis.
Ad lignum.
Crystalla in cumulo multo obscuriora sunt.
Fungi Rickiani 20404, S. Salvador 1943.

Botryochaete prima Rick, n. sp.
Resupinata, mollis, membranaceo-tenax, basi adnata, margine late tomentoso, rhyzomorpho, cremeo-alba; hymenio consperso; setulis in rosulam arborescentem unitis, pedicellatis; capitulis angulatis irregularibusve, coloratis, 20x8 my, rugosis; hyphis hyalinis, 3-4 my latis. Basidiis brevibus, linearibus, 8 my latis; sterigmatibus binis, longis. Sporis 5x4-8 my, asperis, brunneis.
Ad corticem.

Botryochaete flavissima Rick, n. sp.
Membranaceo-pannosa, tenuis, late resupinata, a substrato facile solubilis, margine albo-fibroso, rhizomorphoideo, sublaevi; intense flava sicut gemma ovi. Basidiis pede longo, hyalino, capite 30-40x20 my, obtusis. Cystidiis crystallis grossis incrustatis, laete flavis. Sporis cylindricis, 5-6x3 my, hyalinis.
Ad corticem.
Nec Coniophorella bona, quia sporis hyalinis, nec Peniphora bona, quia cystidiis flavis, nec Botryochaete bona, quia crystallis non botryosis; nihilominus ad Botryochaeten ducenda videtur.
Fungi Rickiani 12755, S. Salvador 1945.

CYPHELLA Fries.

Cyphella stictoidea Speg. — Saccardo 6,680. Rick, Egatea 16 (1941) 43.
Cupulis erumpenti-superficialibus, laxe gregariis, hemisphaericis, 1-3 mm latis, tenacellis, rigidis, extus albis, parcissime pruinatis, intus albo-ochraceis, laevibus, margine acuto, repandulo. Basidiis tetrasporis.
Ad Bambusae culmos.

Cyphella palmarum B. et C. — Saccardo 6, 680.
Alba, pileo cyathiformi, extus subtiliter pruinoso, stipite brevi, tomentoso, crassiusculo, vix 2 mm alto. Sporis 7x4 my. Basidiis 20x8 my, breviter pedicellatis.
Ad palmarum petiolos.
Fungi Rickiani 12863, 12865, S. Leopoldo 1931.

Cyphella tijucensis P. Henn. — Saccardo 17,192. — Rick, Egatea 16 (1931) 44.
Pileo sessili, medio affixo, ceraceo, cupulato, 1-2 mm diametro, extus pallido, pruinoso-subfarinaceo; hymenio laevi, pallido. Basidiis clavatis, 15-20 my. Sporis subglobosis, 5-6 my, hyalinis.
Ad corticem.
Fungi Rickiani 12864, S. Leopoldo 1930.

Cyphella subgrisella Rick, Egatea 16 (1931) 44.
Cupulis peziziformibus, 2 mm latis, 3 mm altis, extus albo-cinereis, hirsutis, breviter pedicellatis; hymenio cinereo. Basidiis 4-sporis, clavatis, 20-30x12-15 my. Sporis minimis (immaturis?) hyalinis. Sterigmatibus bene perspicuis.
Ad corticem.
A Solenia grisella Quél. sporis maxime coloreque hymenii recedit.

Cyphella grisea Rick, n. sp.
Grisea, 0,5 mm lata, membranacea, disciformis, sessilis, hirsuta, gregaria, hymenio hyalino; pilis pilei fibriformibus, longis, echinatis, apicibus griseis. Basidiis mediis, membrana tenui. Sporis amygdaliformibus, curvulis, apiculatis, grosse guttulatis.
Ad corticem.
Fungi Rickiani 12869, S. Salvador 1942.

Cyphella congregatissima Rick, n. sp.
Peziziformis, sessilis, 1 mm lata, dense pilosa, albissima, maxime aggregata; pilis longis, hyalinis, granulato-asperis. Sporis navicularibus, apice elongato-attenuato, 20x10 my, antice crassioribus, hyalinis, unicellularibus.
Ad caulem herbaceum.
Fungi Rickiani 12873, S. Salvador 1943.

Cyphella subceracea P. Henn. — Saccardo 14,232. — Rick, Egatea 16 (1931) 43.
Cupulis subceraceis, solitariis, vel 2-5 aggregatis, 0,5 mm latis, vertice affixis, albis flavescentibusve, margine involuto, pruinosis; hymenio laevi. Sporis subglobosis, hyalinis, 3-4 my.
Ad ramos.

Cyphella punctoidea P. Henn. — Saccardo 14,233. — Rick, Egatea 16 (1931) 44.
Cupulis gregariis, punctiformibus, usque 200 my diametro, albis, dense tomentosis, setulis rigidis, 4-5 my crassis, intus granulosis, apice capituliformibus, 6-8 my. Sporis globosis, laevibus, hyalinis.
Ad foliorum coriaceorum paginam inferiorem.
Fungi Rickiani 12872, S. Salvador 1943.

Cyphella villosa (Pers.) Karst. — Saccardo 6,678. — Rick, Egatea 16 (1931) 44.
Sessilis, sicca, sphaeroidea, niveo-villosa, hymenio laevi, 1-3 mm lata, setulis densis, dense denticulatis. Basidiis fusoideis, 40-50x5-6 my, 4-sporis. Sporis ovatis, 11-12x8-9 my.
Ad caules putridos.
Habitu Lachnellae.
Fungi Rickiani 12871, S. Salvador

CYPHELLINA Rick, n. genus.

Pileo papyraceo, contextu laxo, cystidiis incrustatis, peniophoroideis.

Cyphellina viridis (Berk.) Rick, n. comb.
Thelephora viridis Berú. — Saccardo 6,547.
Resupinato-effusa, saepe autem pileo tenuissimo, vix conchato, tomentoso-molli, viridi; hymenio granulato, contextu mucedineo. Basidiis pulchre clavatis, mediis, 4-sporis. Cystidiis basidiisque similibus, hyalinis, incrustatis, conicis. Sporis 9 my, sphaericis.
Ad corticem vivum.
Habitu Hypochni. Exsiccando e viridi in fumosum abit. Pileum format 1 cm latum, laxe contextum, in strato resupinato sparsum resupinatumve.

BASIDIODENDRON Rick, Broteria 34 (1938) 74.

Innatum, crustaceum, carnosum; basidiis pennatis, apice piriformi excepto, infra apicem pennae avis similibus.
Ab omnibus Basidiomycetibus basidiis omnino laevibus differt hoc genus, in quo unice apex laevis est.

Basidiodendron luteo-griseum Rick, Broteria 34 (1938) 74.
Ligno putrido innatum, crustaceum, luteo-griseum, tenue, granulatum, margine farinoso, hypochnoideum corticioideumve. Basidiis cum parte pennata 70x20 my, apice 10 my, sphaerico; sterigmatibus binis, brevibus. Sporis sphaericis, hyalinis, 6 my, apiculo mammiformi, obtuso, humidis asperulis. Cystidiis raris, longis, 4 my latis, fusiformibus, hyalinis, multiseptatis, septis crassis, laevibus.
Ad lignum putridum.
Fungi Rickiani 12612, S. Leopoldo 1940.
Var. **gloeocystidifera** Rick, n. var.
Colore magis luteo, gloeocystidiis luteis, brevibus, 6 my latis.
Fungi Rickiani 22700, S. Salvador 1944.
Var. **flavescens** Rick, n. var.
Colore in vegeto flavescente, in sicco hilariter flavo-sulphureo; basidiis conglutinatis; sporis sine apiculo mammiformi tam evoluto ut in varietate typica.

Basidiodendron griseo-granulatum Rick, Lilloa 9 (1943) 217.
Resupinatum, hypochonoideo-carnosum, tenue, granulatum, submembranaceo-crustosum, griseum. Basidiis spinosis, 30-40x15 my, capitulo laevi. Sterigmatibus tenuibus. Gloeocystidiis 30x8 my, cylindricis, lageniformibusve, hyalinis, gutta elongata repletis. Sporis 7 my, sphaerico-angulatis.
Ad corticem.
Fungi Rickiani 12607, S. Salvador 1943: Typus.

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